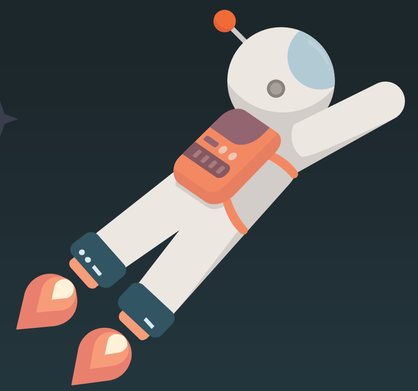
POSTMAN

Galaxy tour workshop



San Francisco

Joyce Lin

Developer Advocate Lead, Postman

@petuniaGray

POSTMAN

Joyce Lin

Developer Advocate Lead, Postman

Postman is an API Development Environment (ADE) used by more than 10 million people.

For many teams, Postman is an everyday tool that helps people work with APIs more efficiently.

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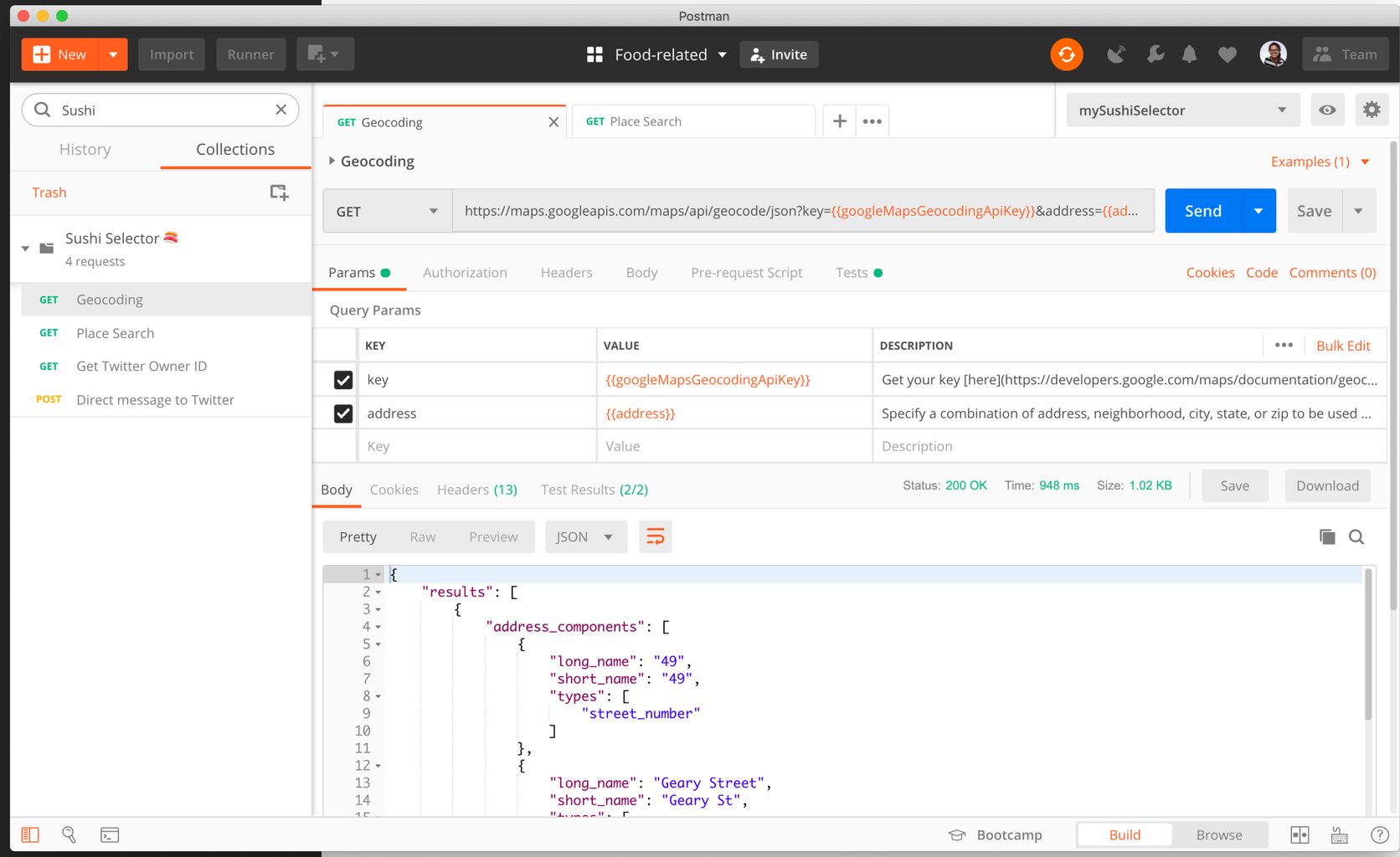
Postman app



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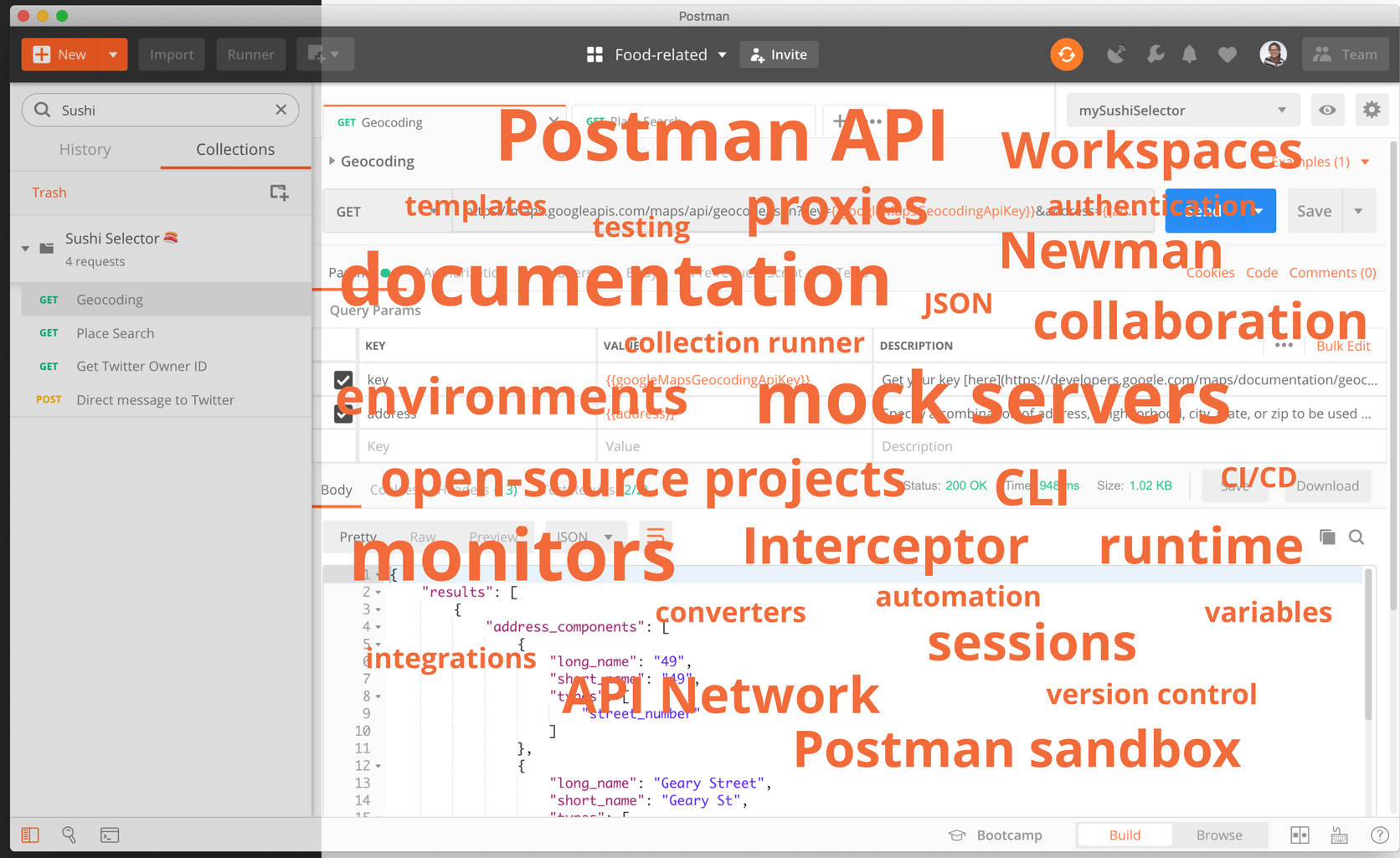
Other Postman stuff



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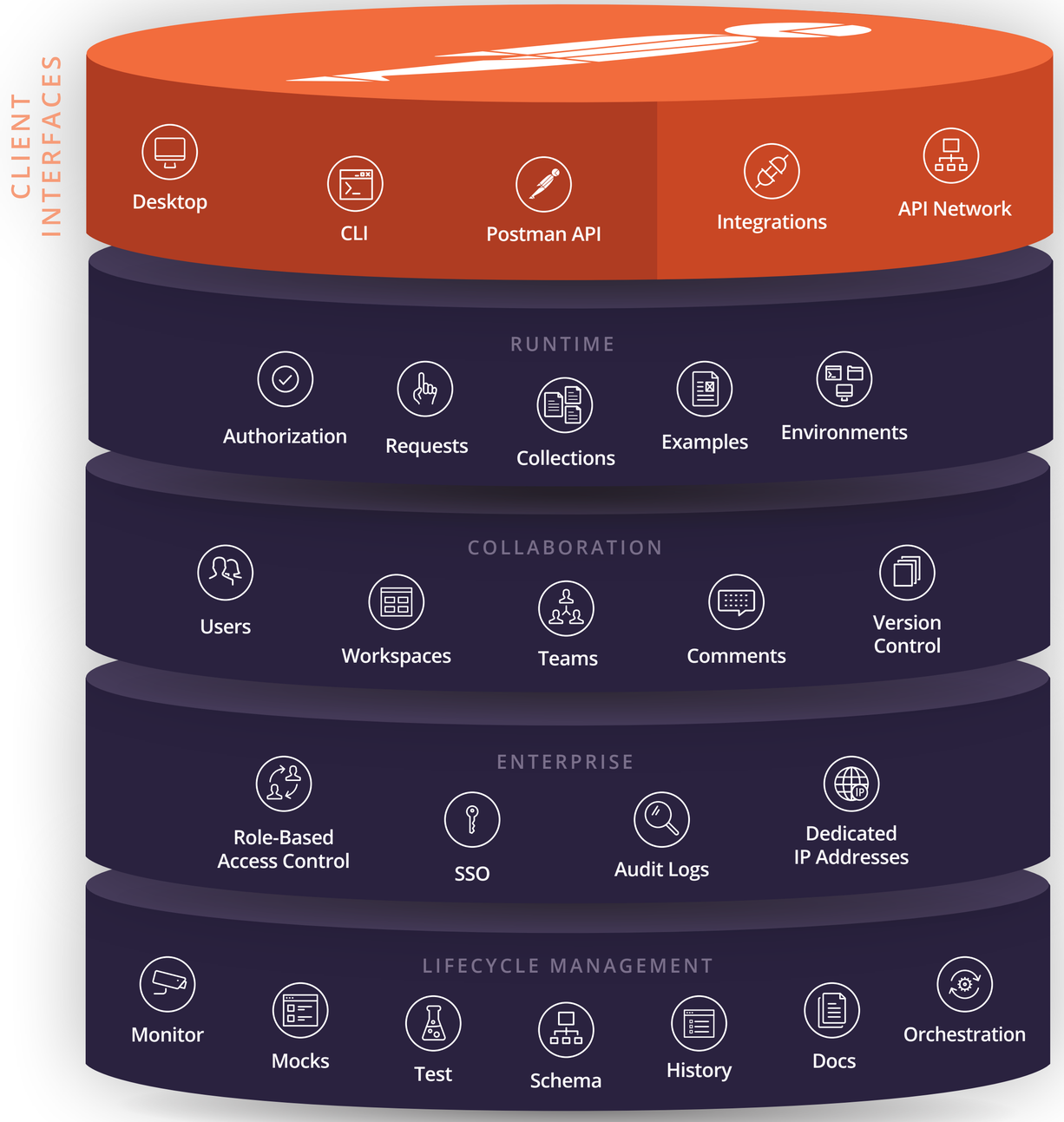
Postman as a Platform



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POSTMAN

Pre-requisites

Download Postman

Sign in to Postman

Get ShipEngine sandbox API key

POSTMAN

The Mission

2:15-3:45 **Prepare for launch**
Final countdown

3:45-4:00 **Break**

4:00-5:15 **Liftoff**
Activate thrusters

5:15-6:15 **Side missions**
Q&A
Networking

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POSTMAN

Who has?

Used Postman

Written a test

Run multiple requests

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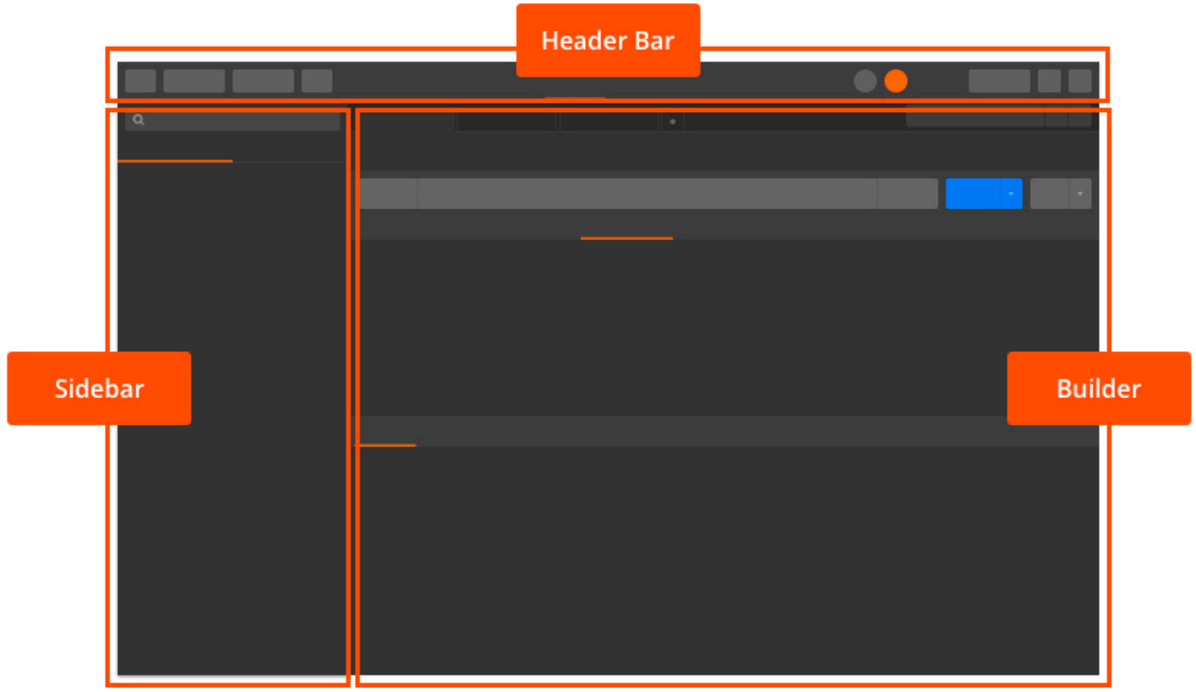
POSTMAN

HANDS ON
Prepare for Launch: Part 1

POSTMAN

Orientation

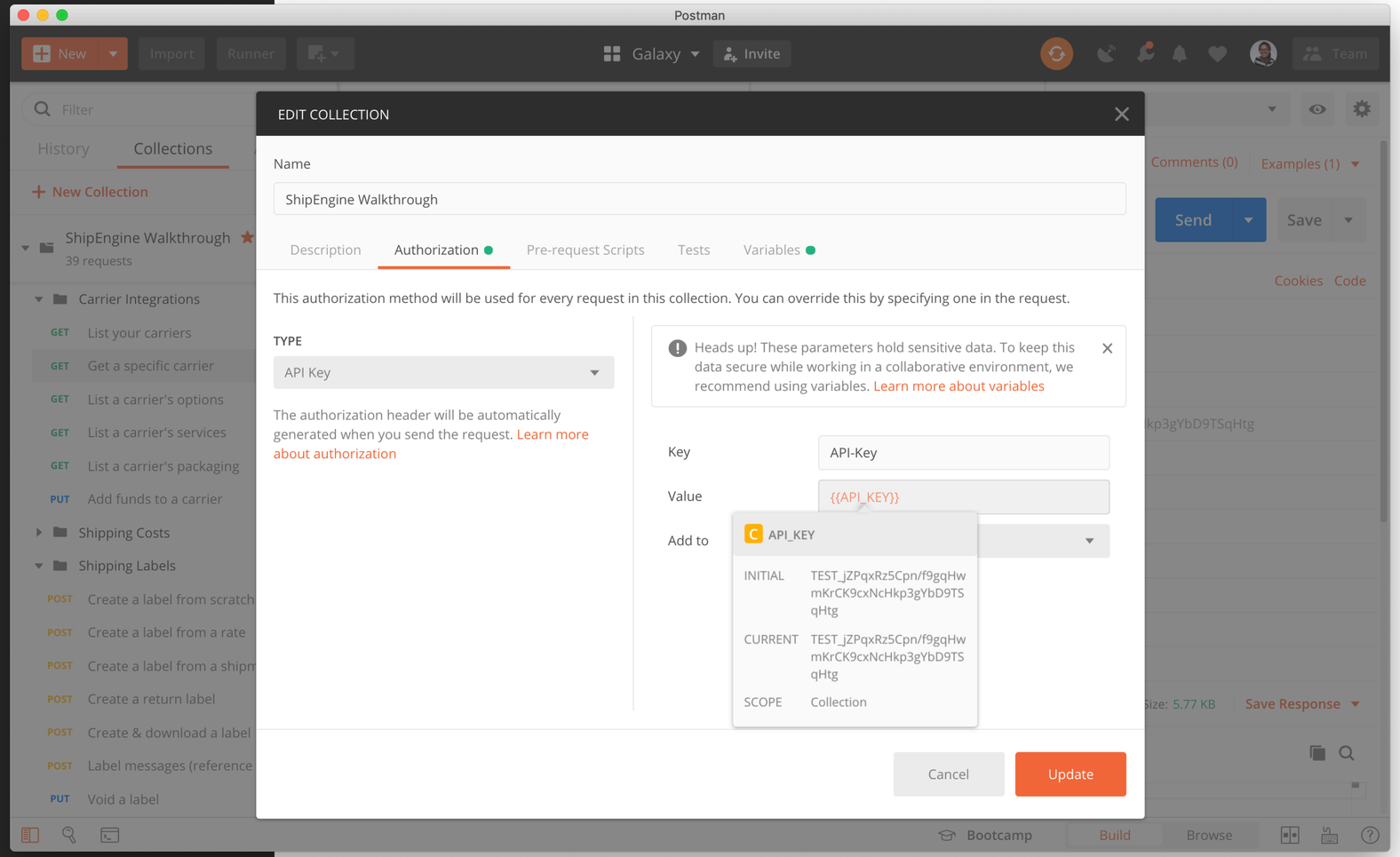
- Request builder / Response viewer
- Collections, folders, and workspaces
- Build (vs. Browse)



POSTMAN

Sending an HTTP request

- Request builder / Response viewer
- Variables
- Productivity
  - Header presets, bulk edit
  - Auth and inheritance
  - Console
  - Visualizer
  - Code generation



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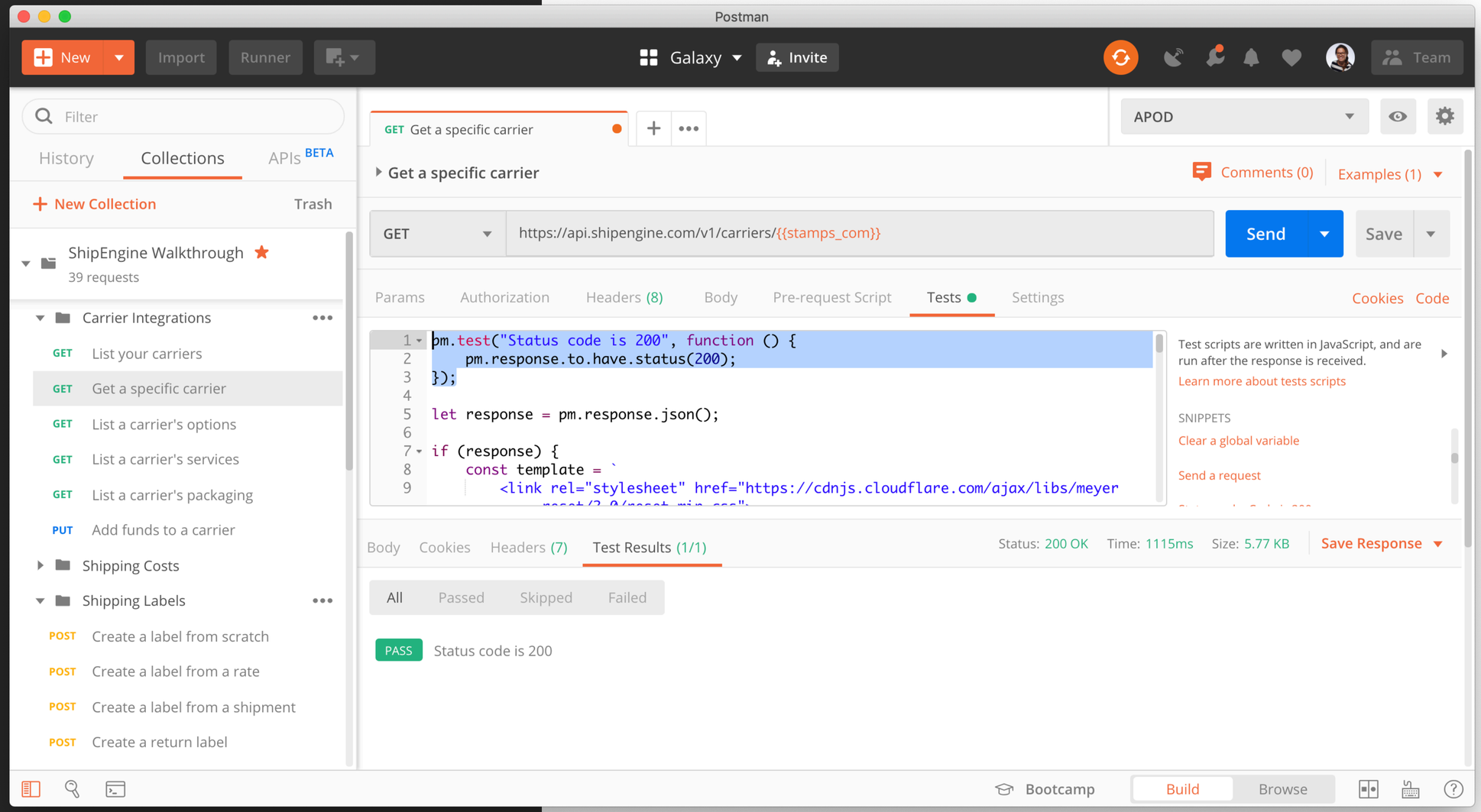
Writing a test

- Test snippets
- Assertions
- Chai.js
- pm.*



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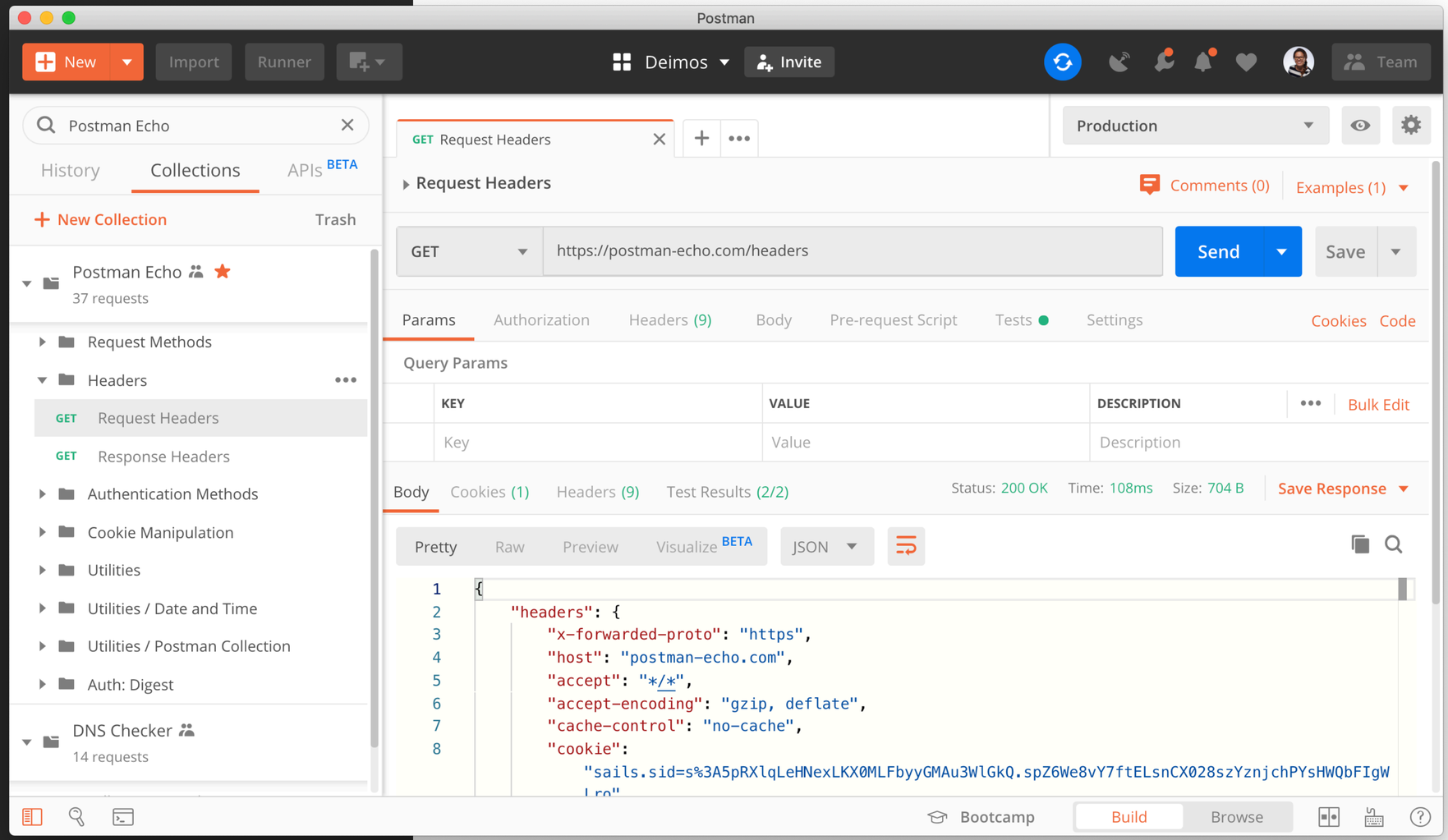
POSTMAN

Creating a collection

- Organization
- Conditional workflows
- Collaboration
- Advanced capabilities
  - Documentation
  - Test suites
  - Mock servers



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Prepare for launch - recap

Requests

Collections

Variables

Tests

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POSTMAN

Prepare for launch - Resources

API Network

Chai.js

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POSTMAN

HANDS ON
Final countdown: Part 2

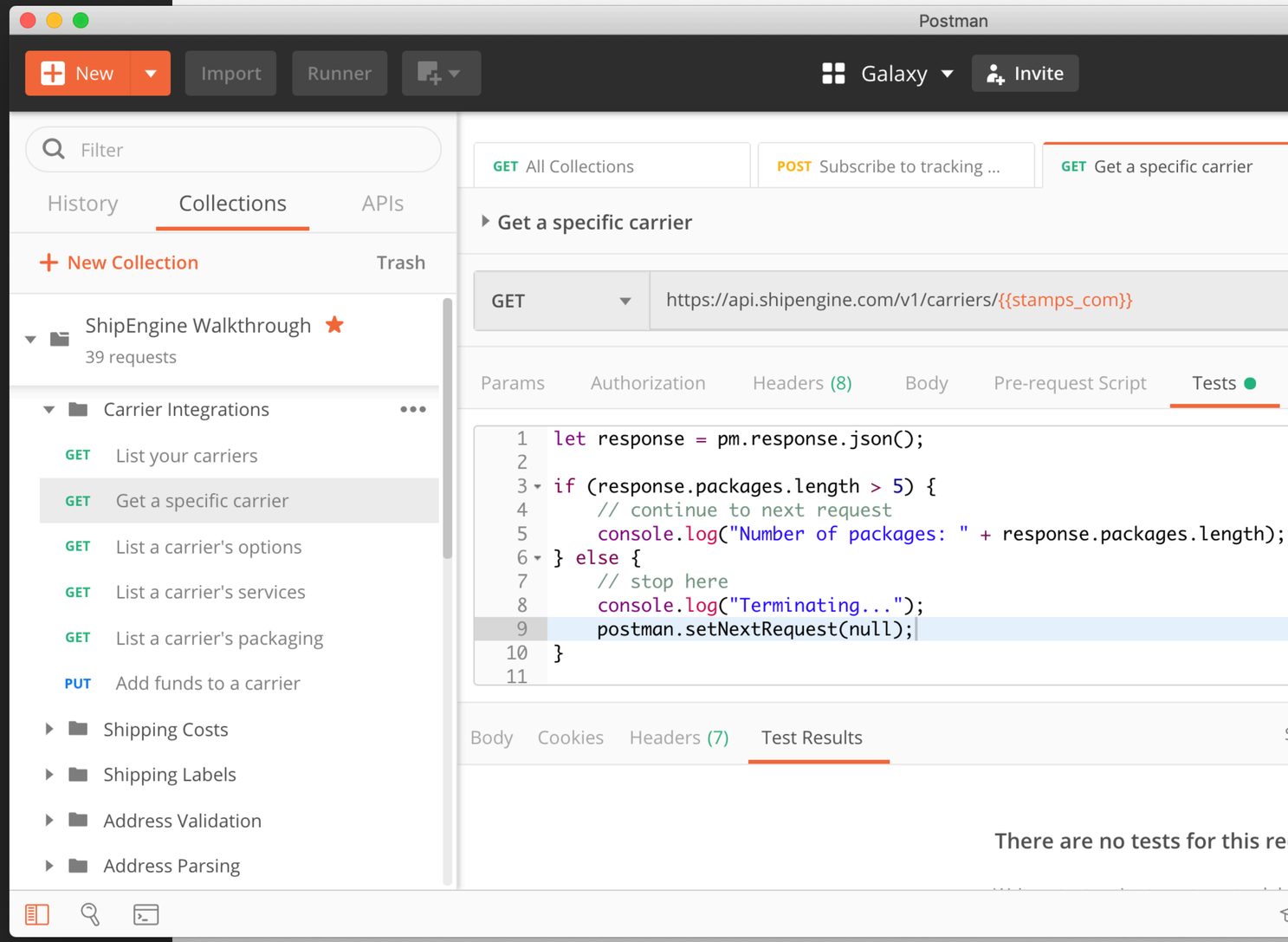
POSTMAN

Advanced Scripts and Tests

POSTMAN

Advanced scripts and tests

- Postman sandbox
- Conditional logic
  - `postman.setNextRequest()`
- Execution
- Collection-, folder-, request-level



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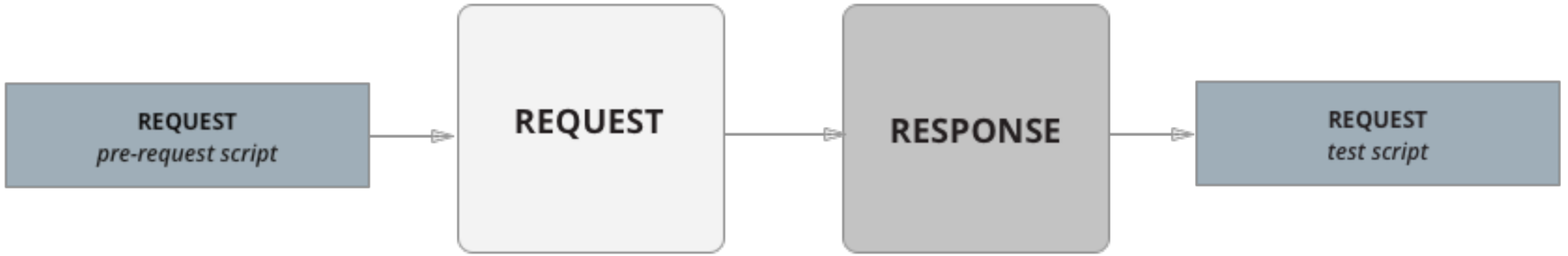
Intro to writing tests - with examples

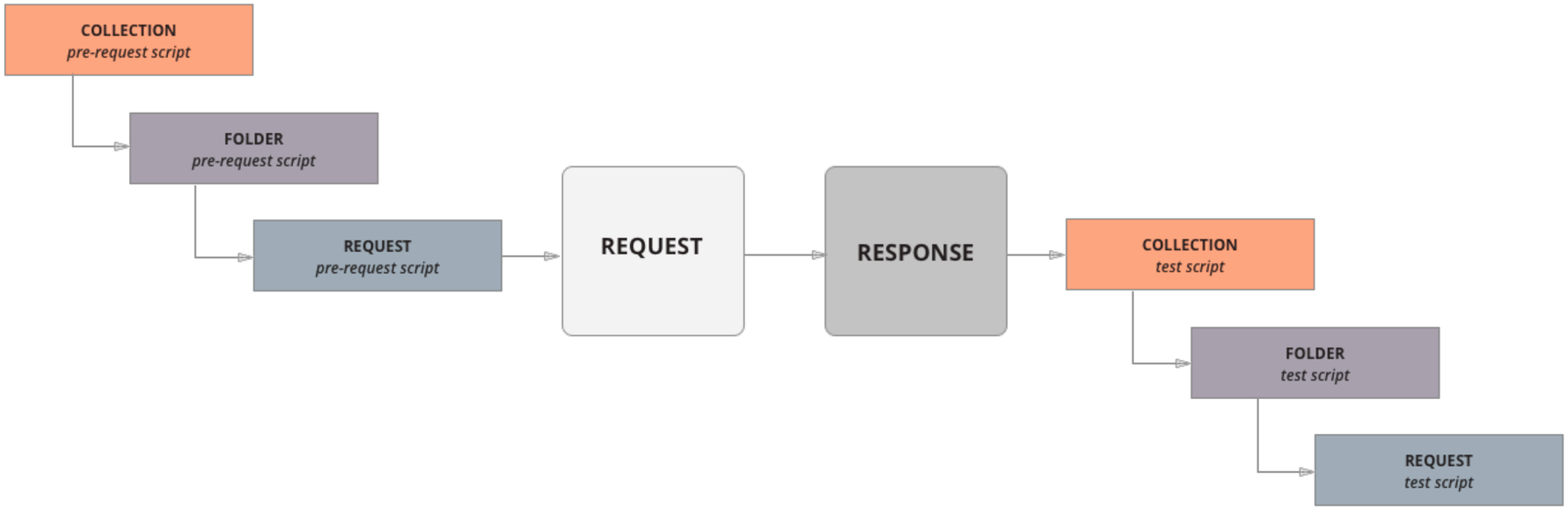
POSTMAN

Execution order



POSTMAN

Execution order



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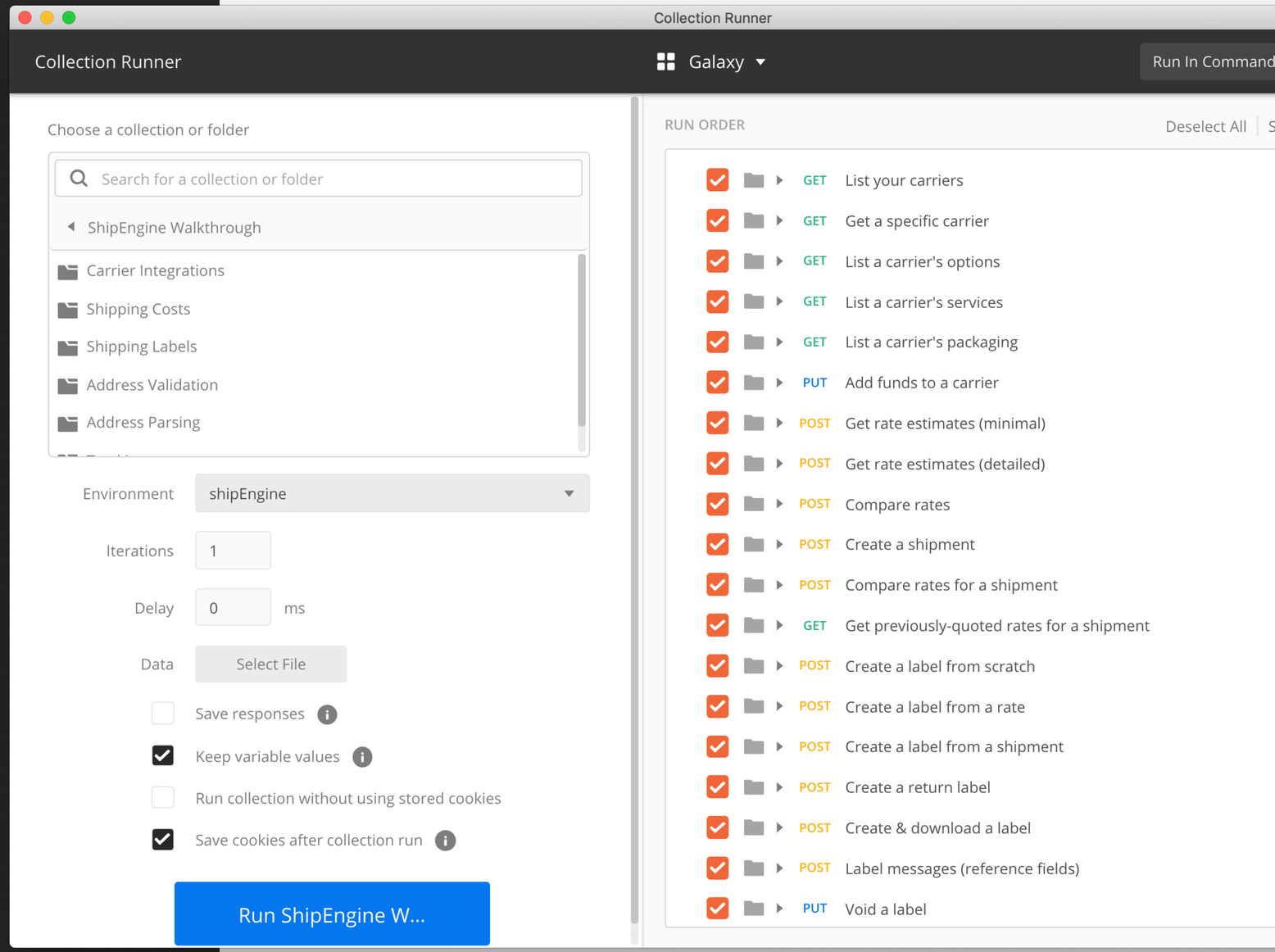
Collection Runner

- Configuration options
- Looping through a data file
- Run results and history



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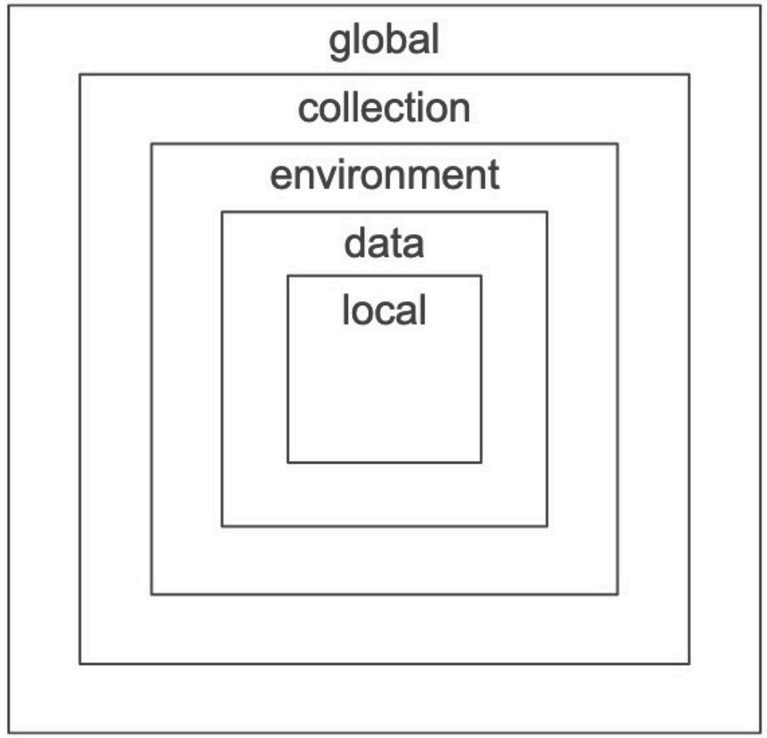
Extract data to chain requests

VARIABLES

POSTMAN

Variables

- Keep code DRY
- Configuration
- Handle secrets
- Enable passing data



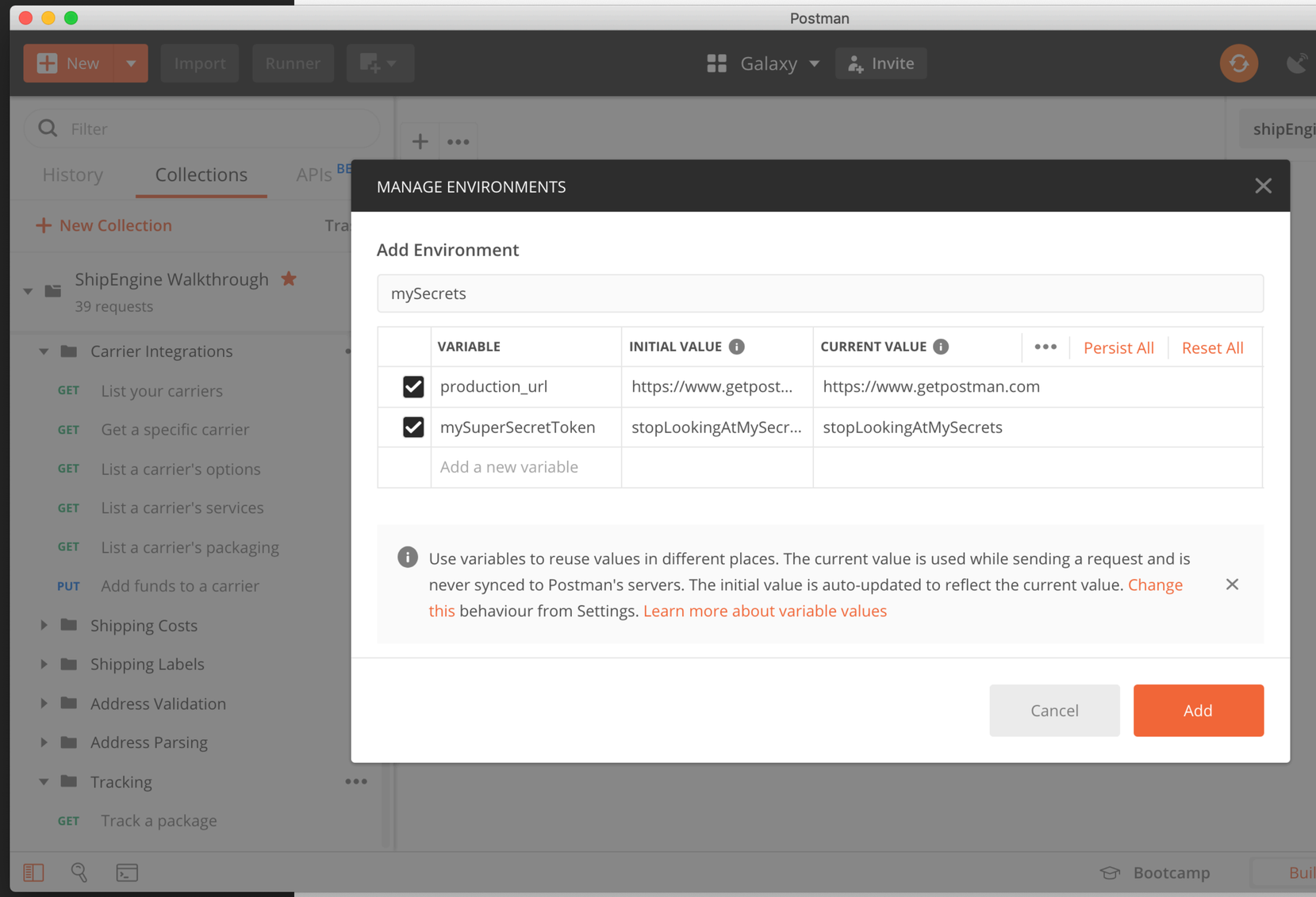
Development

	VARIABLE	INITIAL VALUE	CURRENT VALUE	••• Persist All Reset All
☑	base_url	https://httpbin.org	https://httpbin.org	
	Add a new variable			

POSTMAN

Environment

- For server config
- Security
- Can decouple from collection



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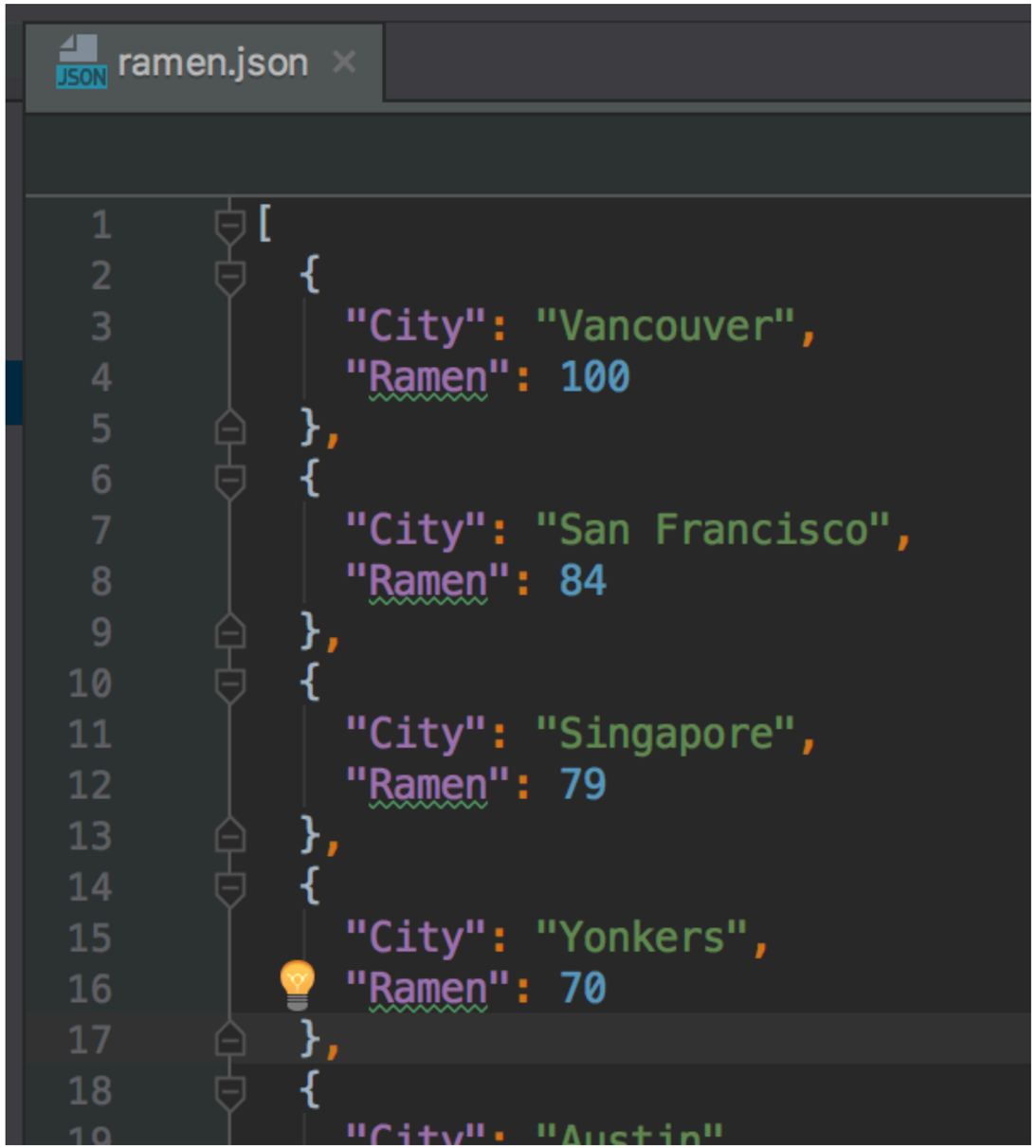
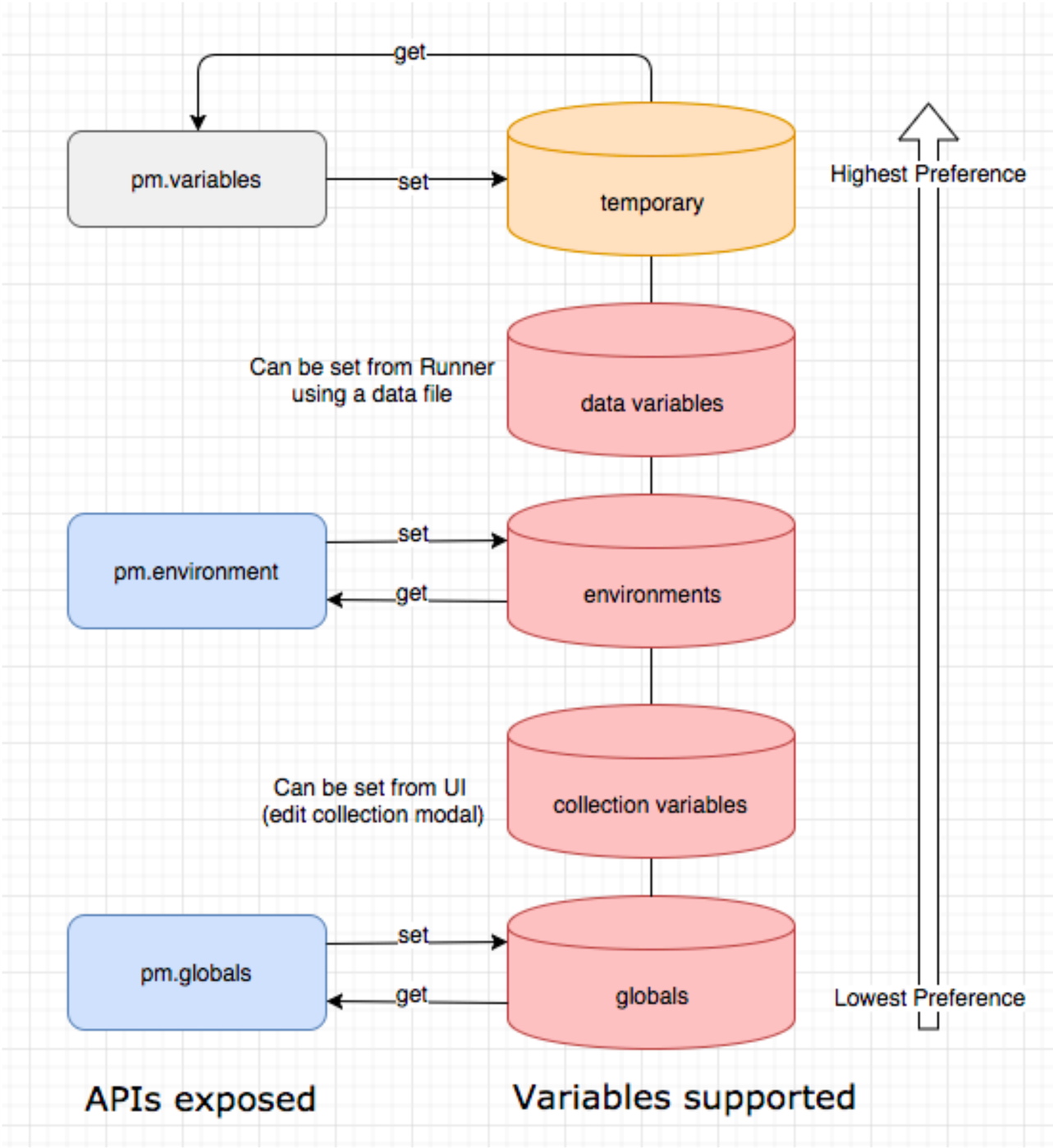
Data
variables



POSTMAN

Considering variables

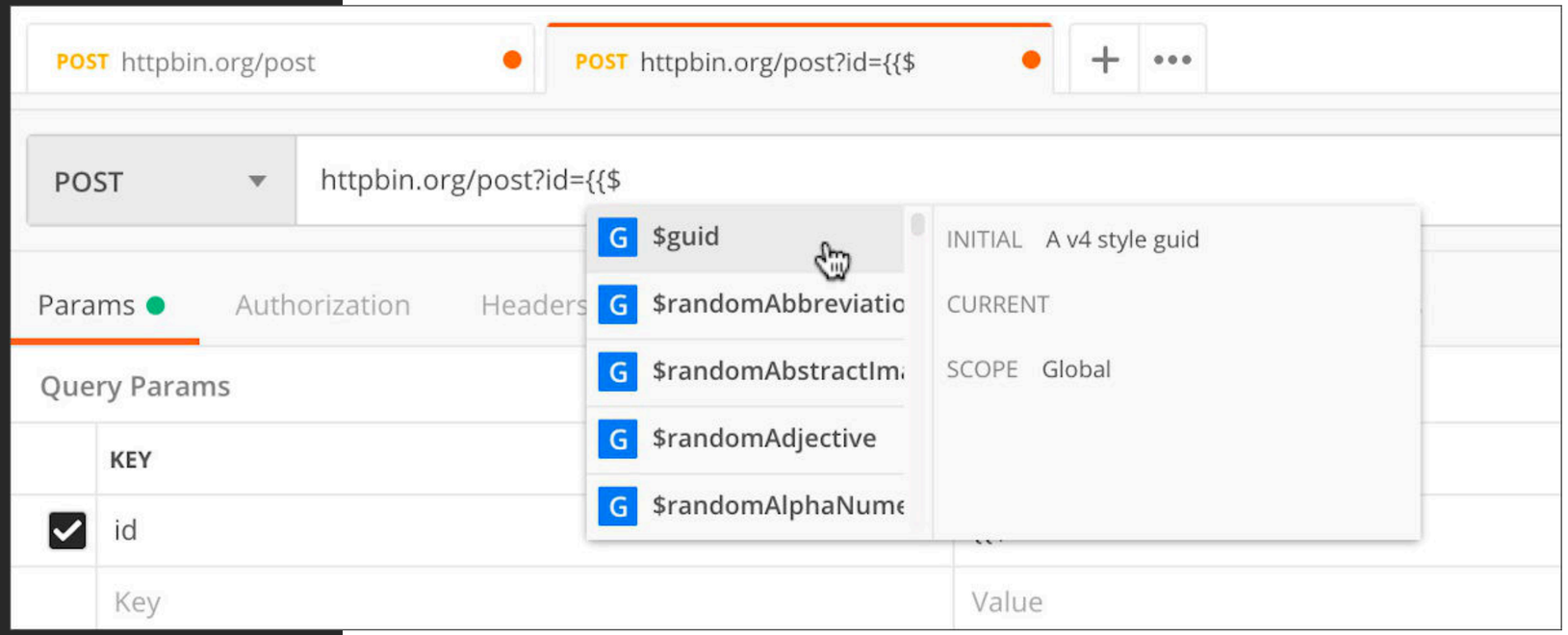
- Choosing variables
- Setting and Getting variables (in text areas vs. scripting areas)
- Variable persistence



POSTMAN

Moar variables

- Dynamic
- Session



POSTMAN

Final countdown - recap

Writing advanced scripts and tests

Running a collection

Lots and lots of variables

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POSTMAN

Final countdown - resources

Intro to writing tests

Extract data to chain requests

Postman sandbox docs

Working with data files: ramen

Dynamic variables in mock servers

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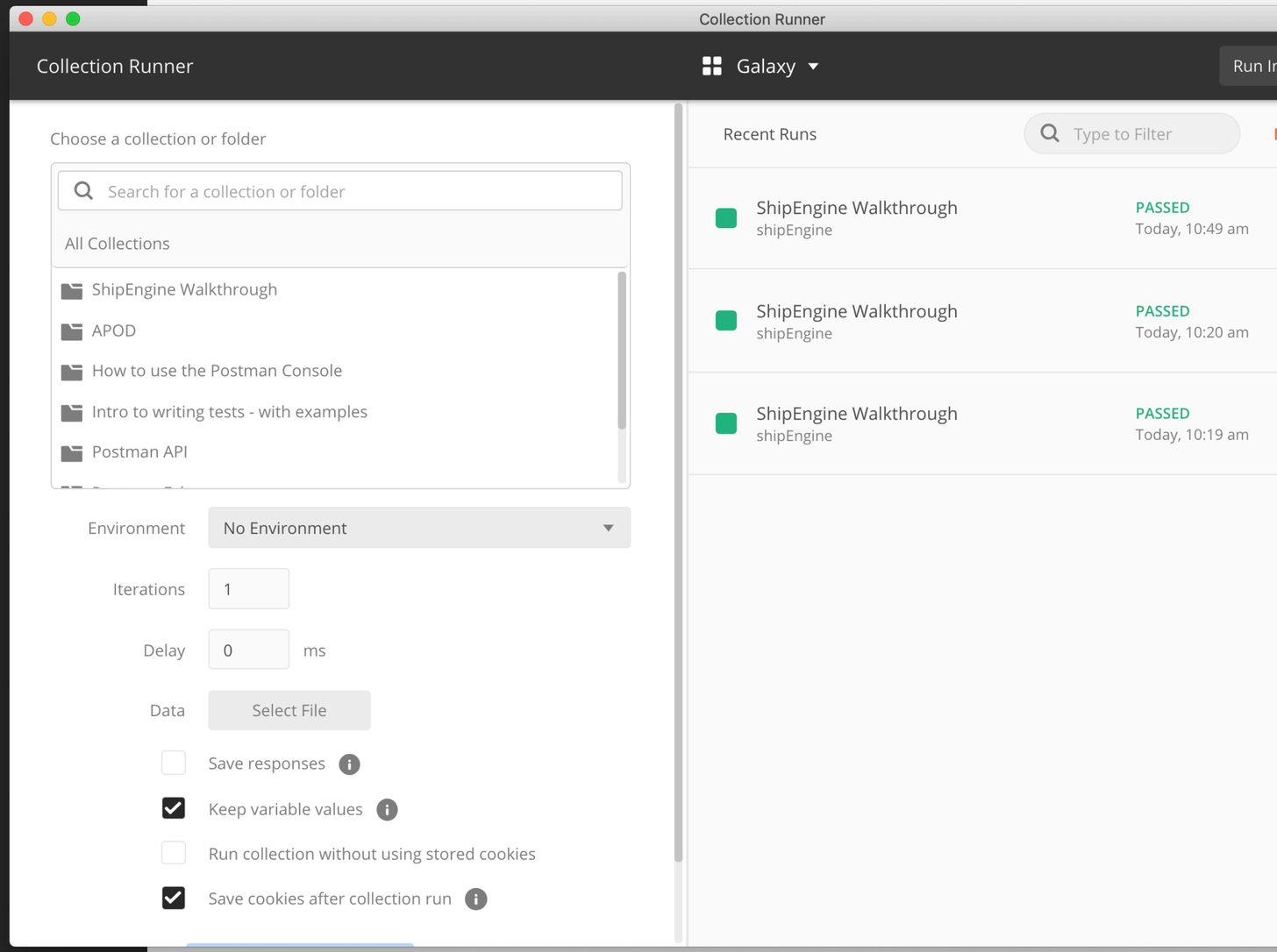
BREAK

HANDS ON
Liftoff

POSTMAN

Automation

- Collection Runner
  - For local development and exploration
  - Shared history of collection runs in a team workspace



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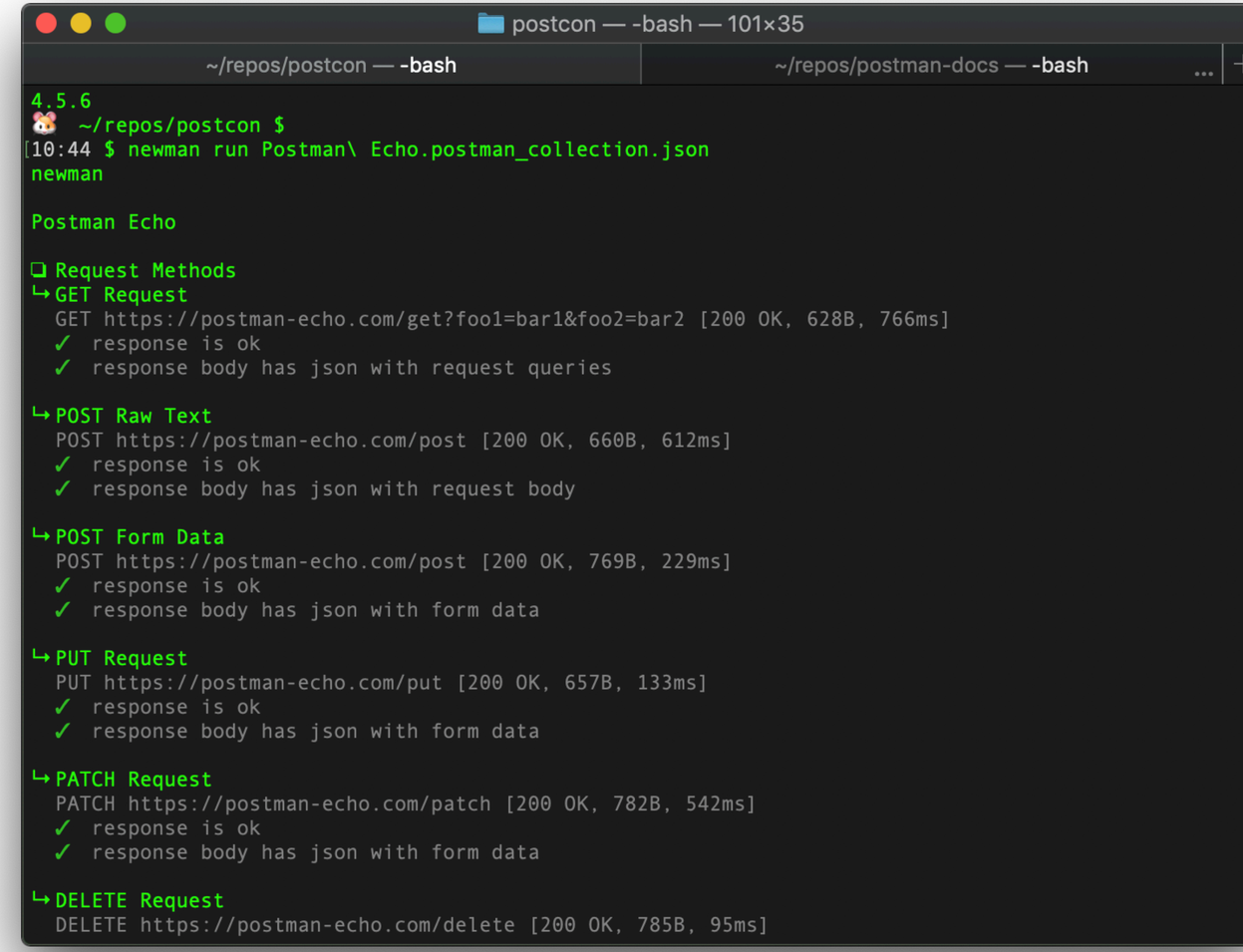
Automation

- Newman
  - From CLI
  - For CI/CD
  - As a library



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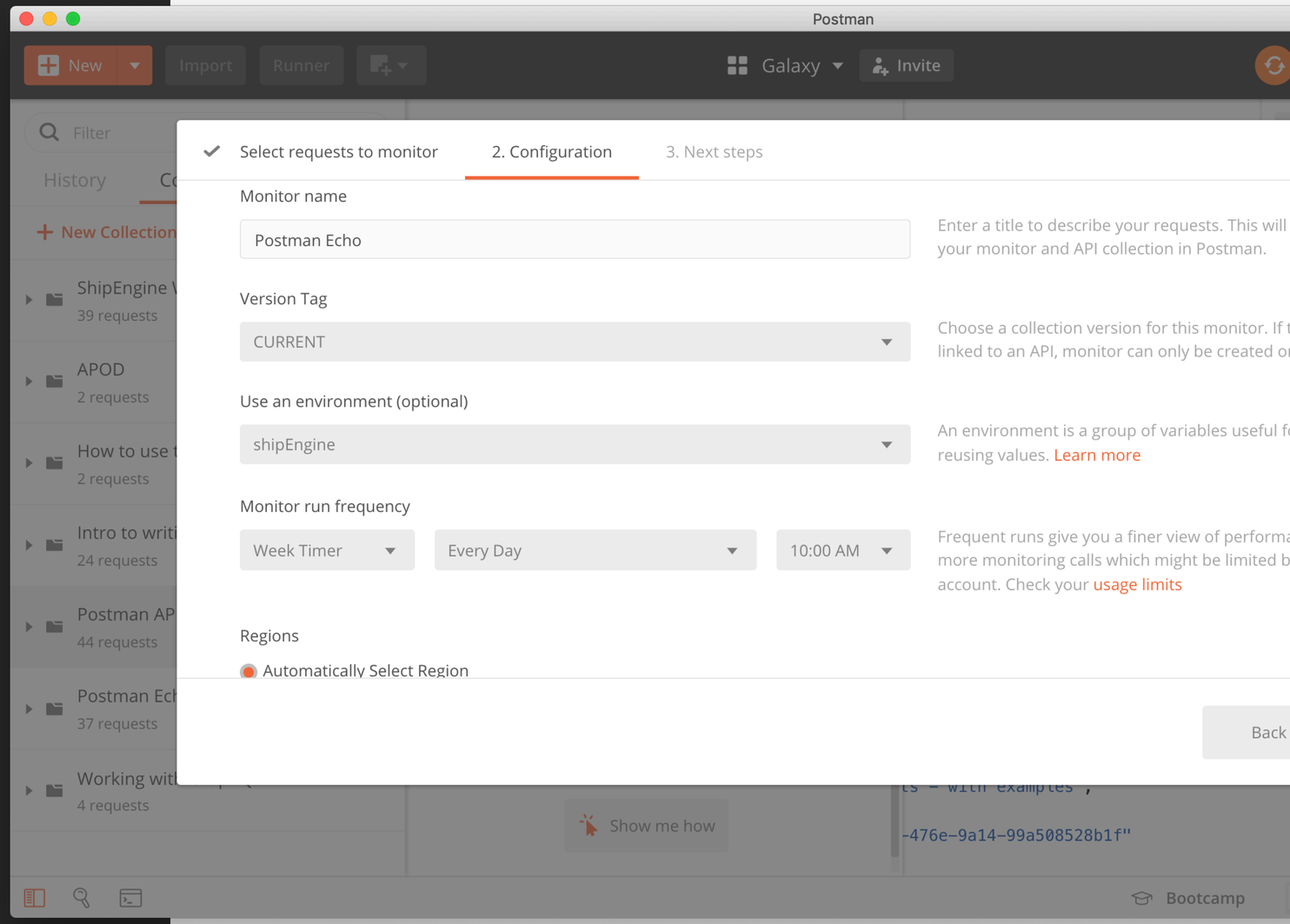
Automation

- Monitors
  - From Postman cloud
  - Pre-built integrations for alerting and and resolution



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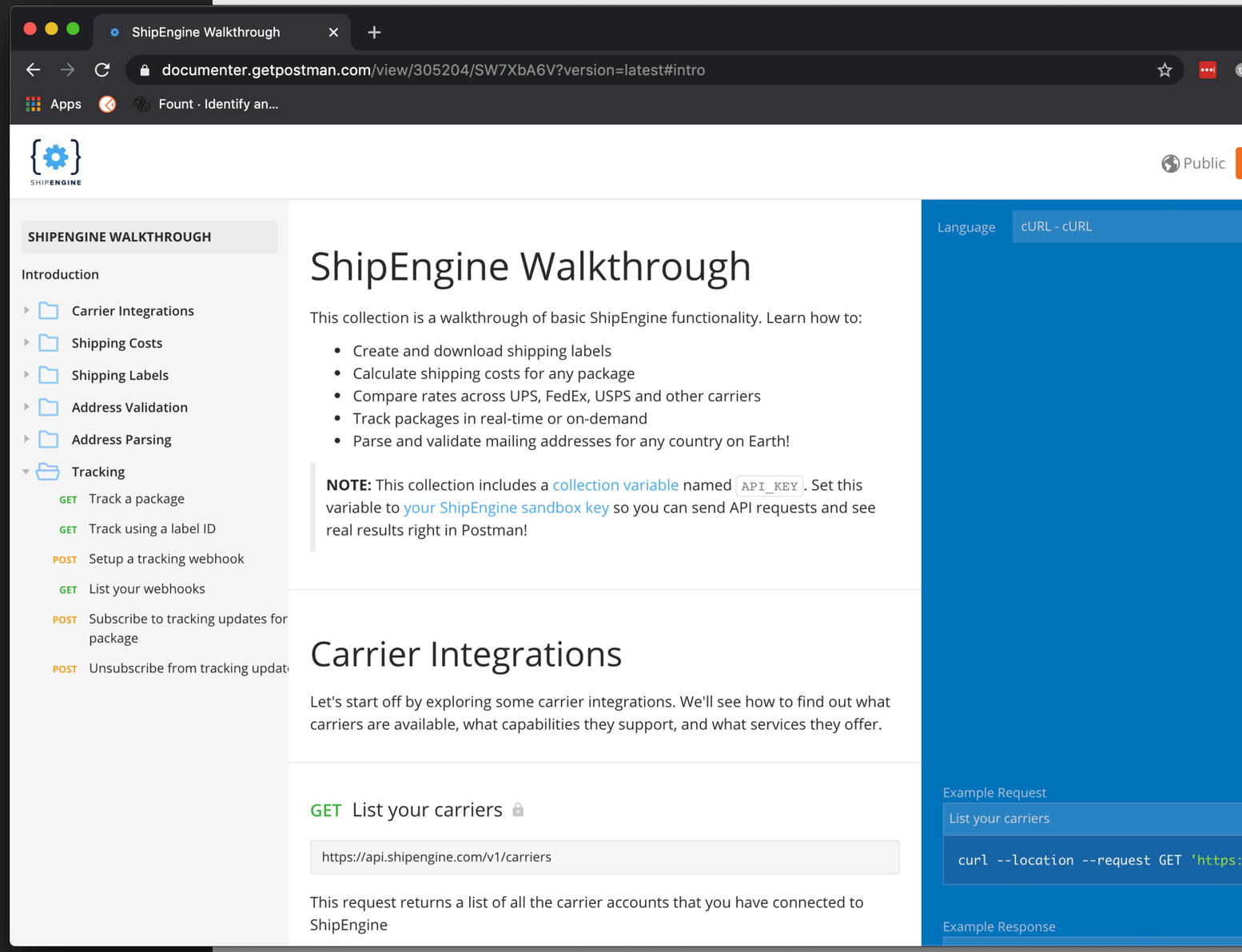
Documentation

- For developer experience and on boarding
- Markdown
  - Descriptions for collection, folder, request, params
  - Screenshots



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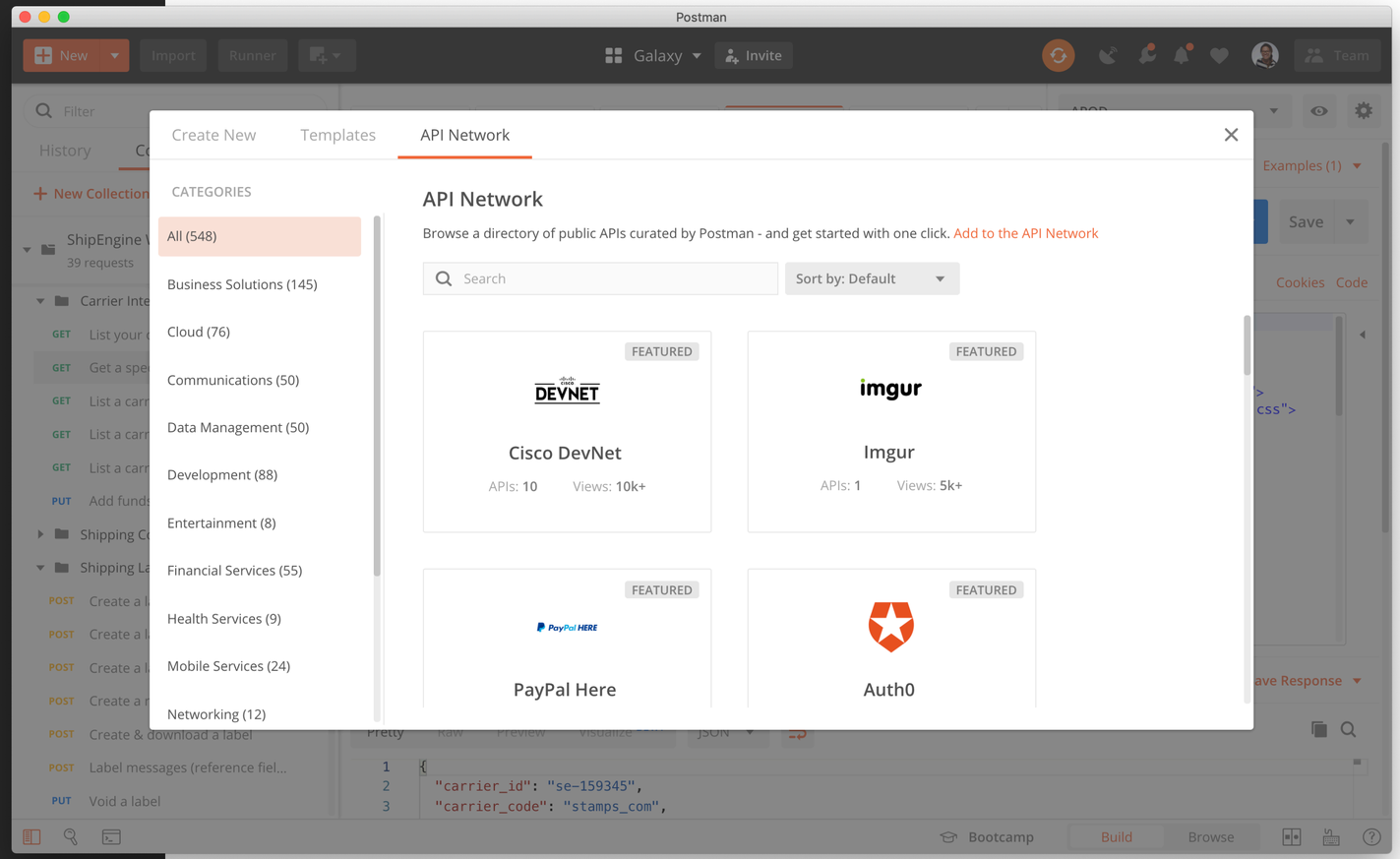
Documentation

- For discovery
  - Privately as workspaces
  - Publicly with Postman API Network and templates



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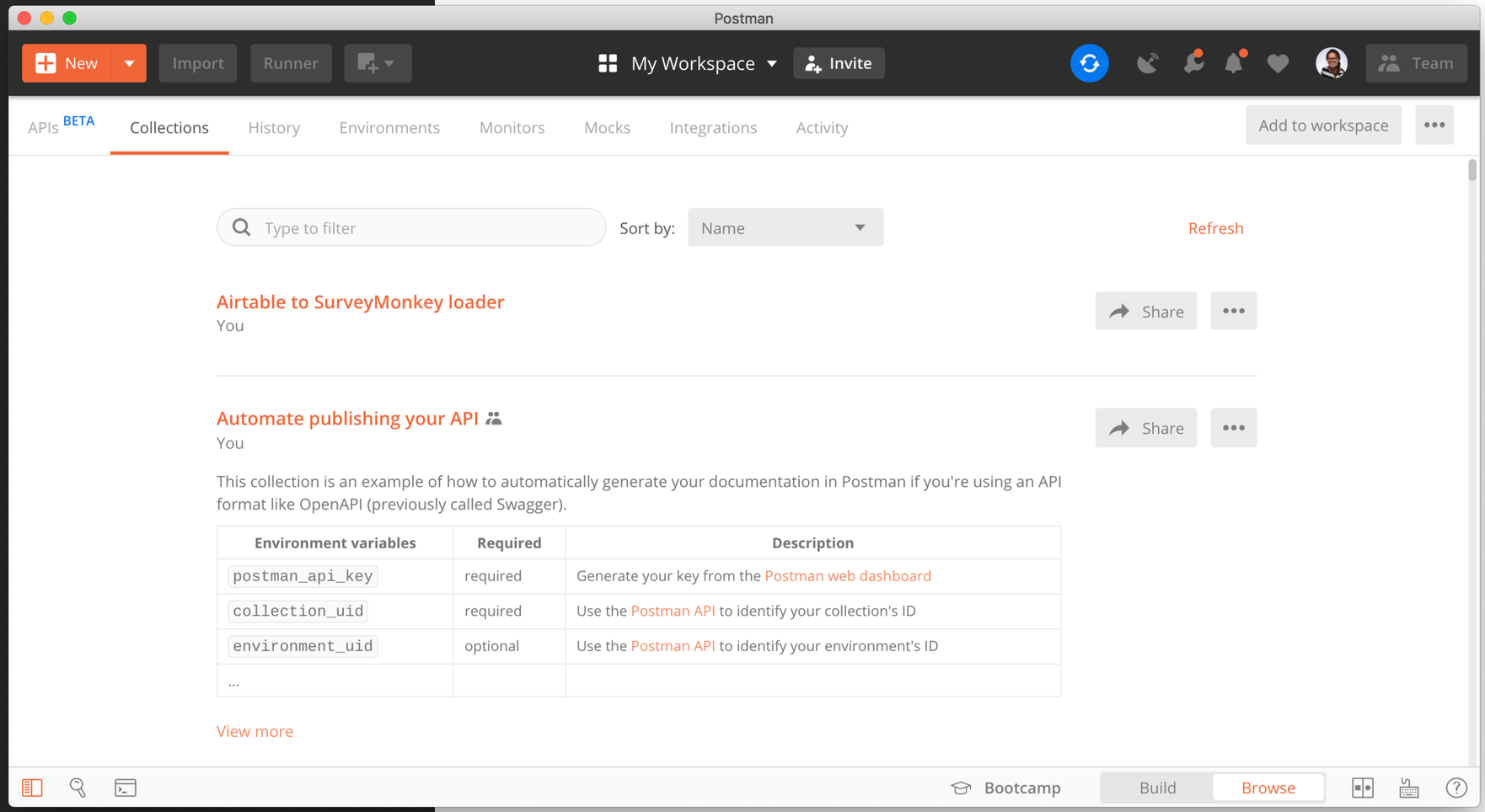
Workspaces

- Organization
  - Personal
  - Team
  - Private (Enterprise)
- Collaboration
  - Roles and permissions



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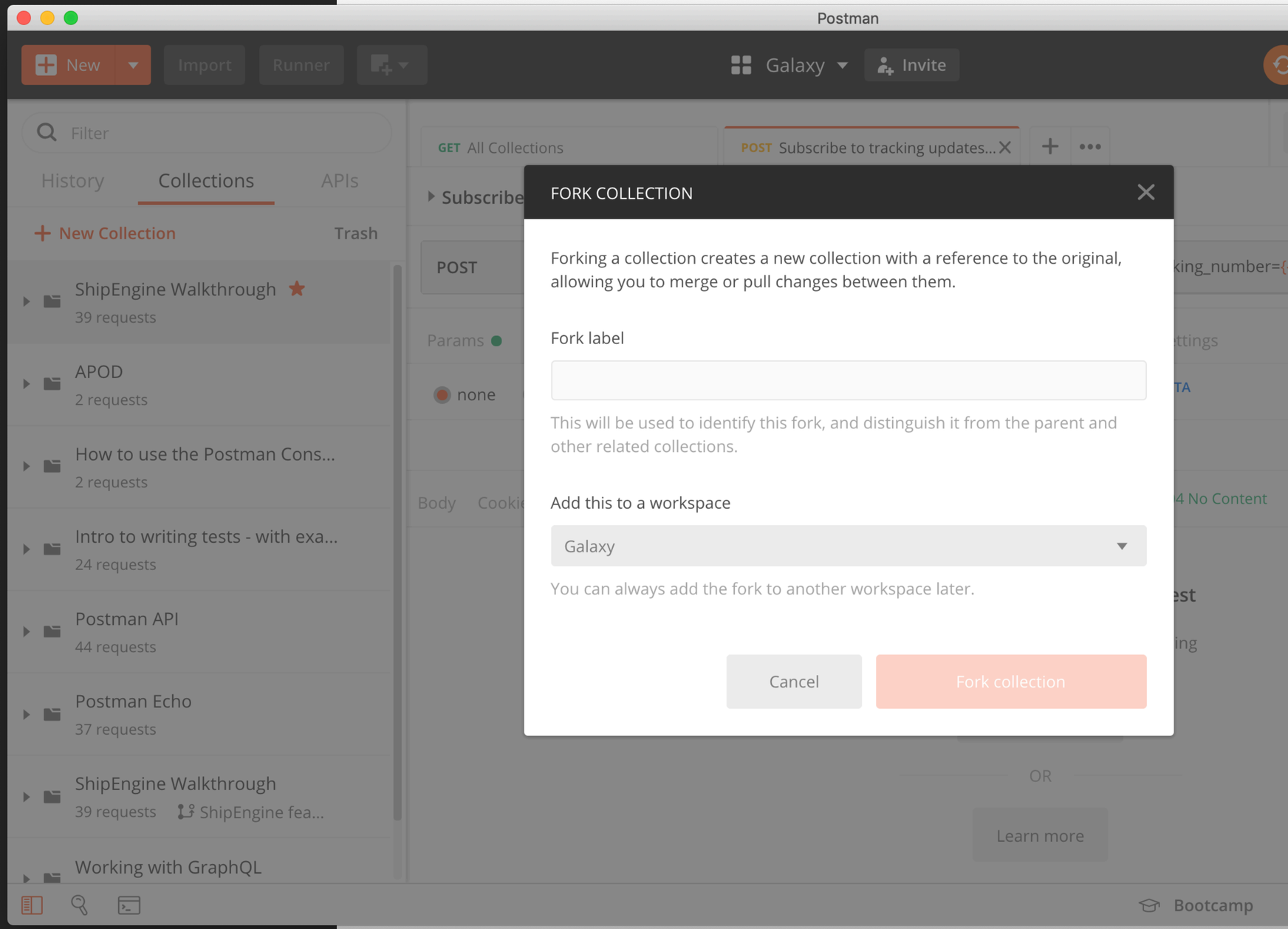
Other collab

- RBAC
- Versioning
- Forking and merging
- Global variables
- History of requests and collection runs
- Integrations



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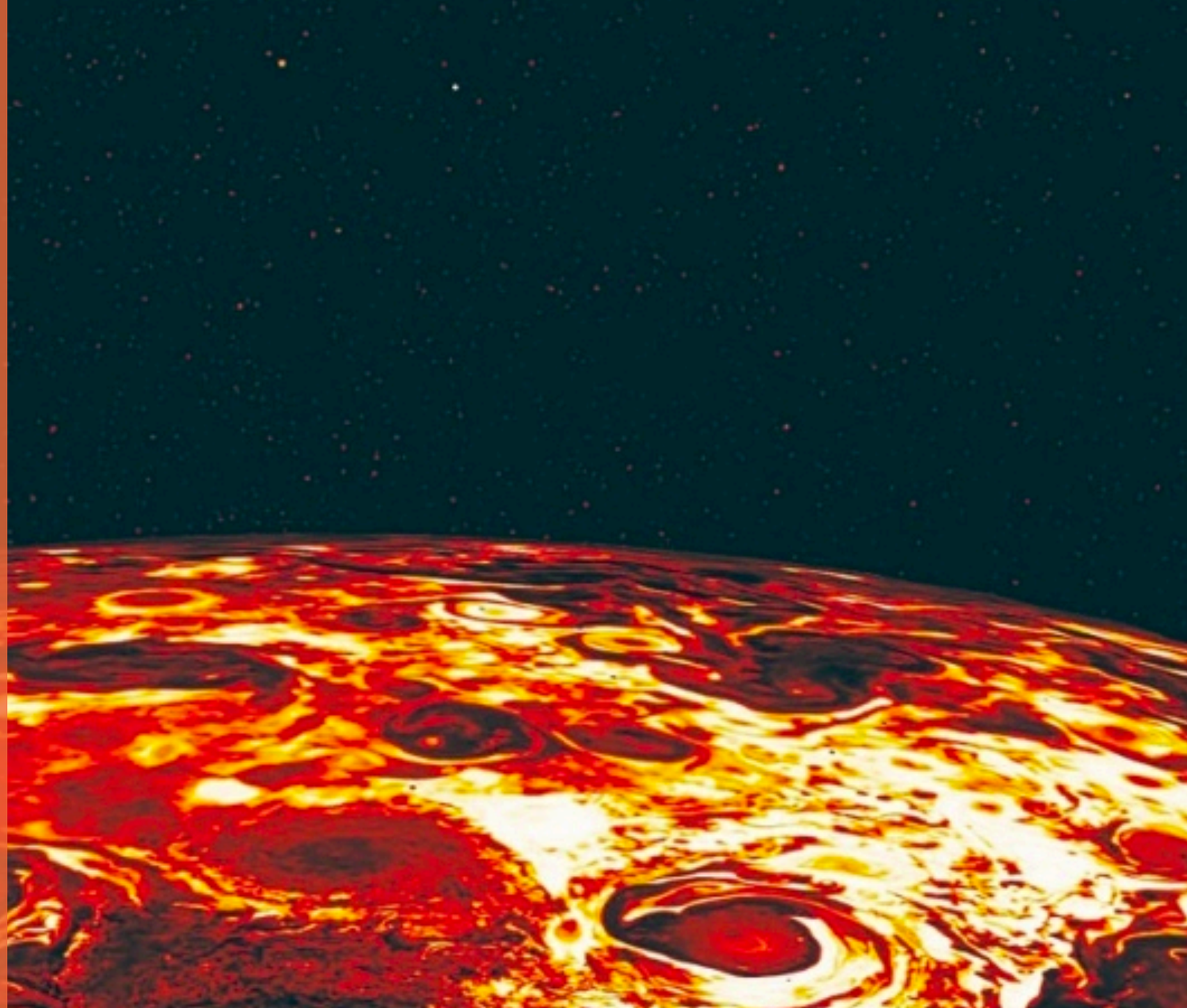
Liftoff - recap

Automation

Documentation

Collaboration



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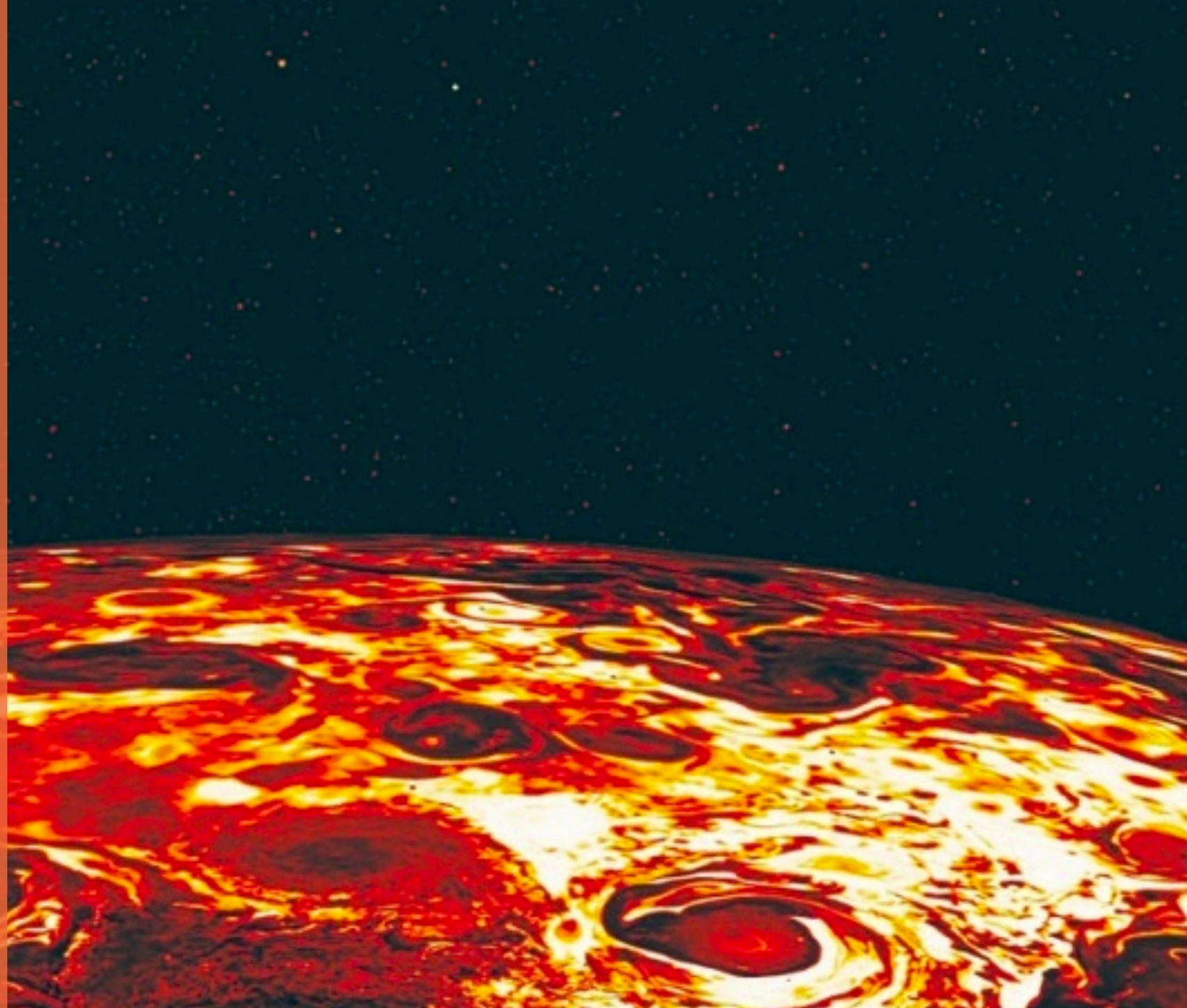
Liftoff - resources

Postman API Docs and collection

Postman Echo



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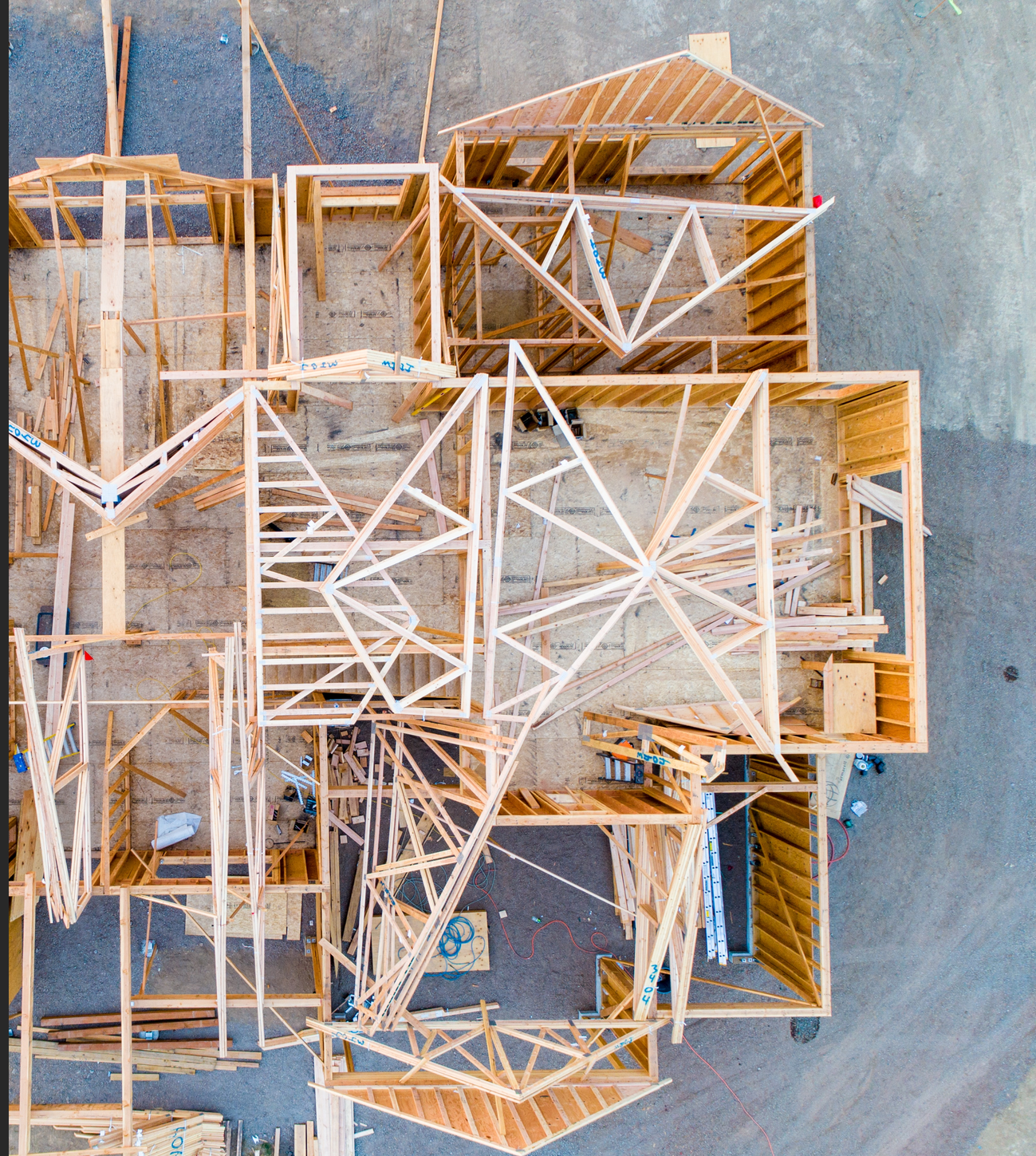
OTHER NEW FEATURES
Activate Thrusters

POSTMAN

Maintain your API specifications.



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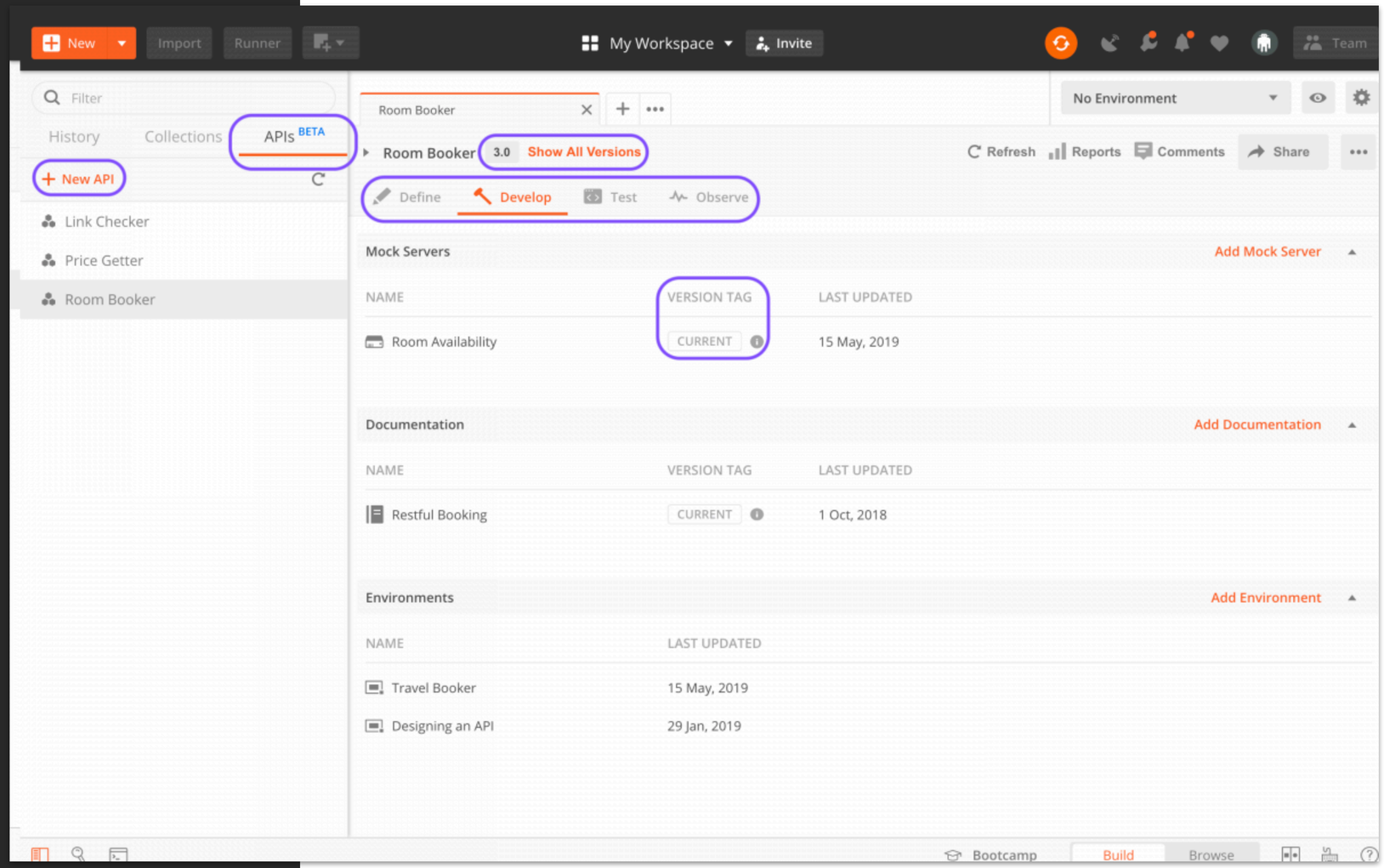
APIs!!!



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Cosmos

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An easier way to GraphQL.

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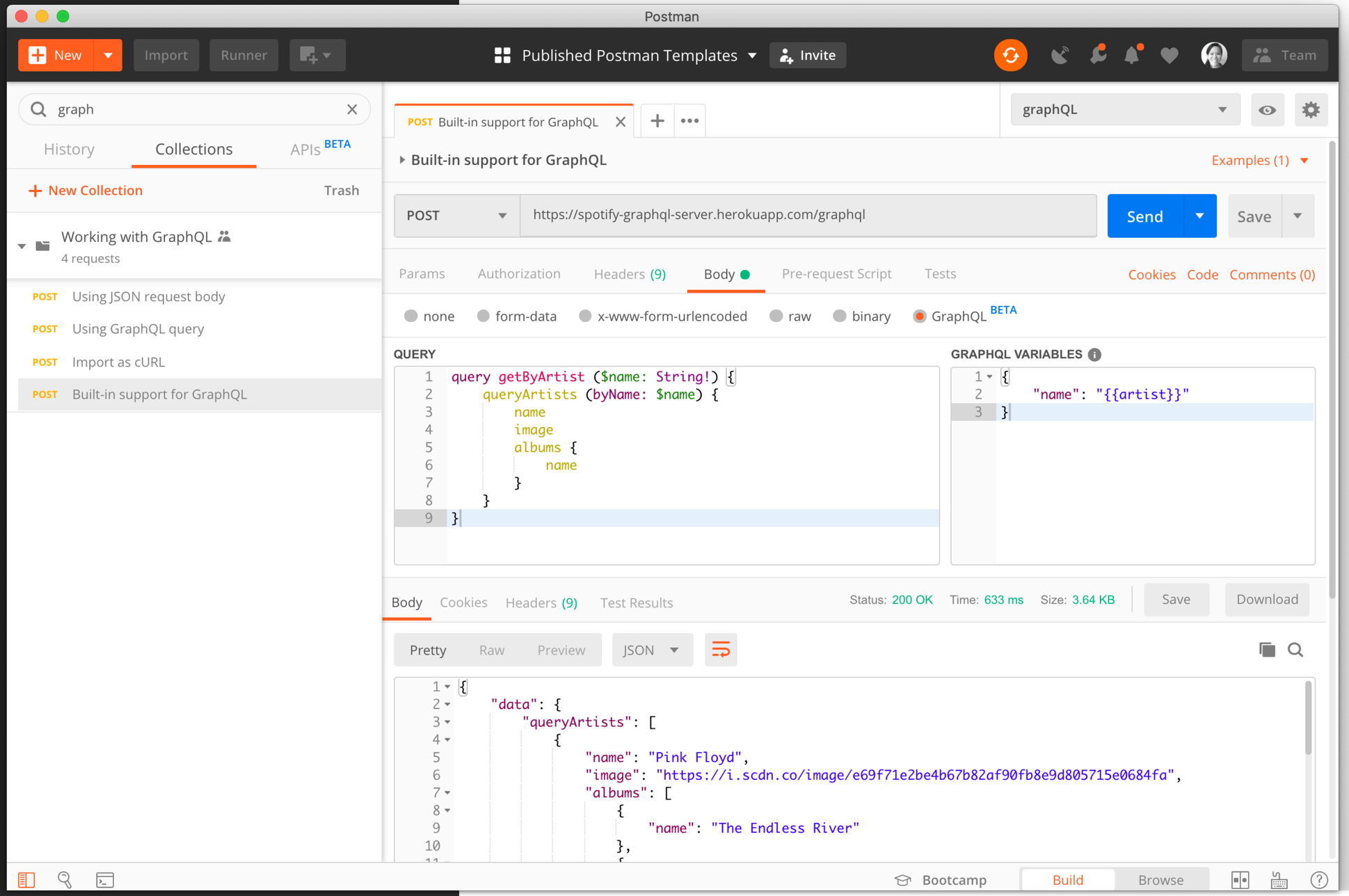
GraphQL



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Working with GraphQL

POSTMAN

Intercept your cookies.

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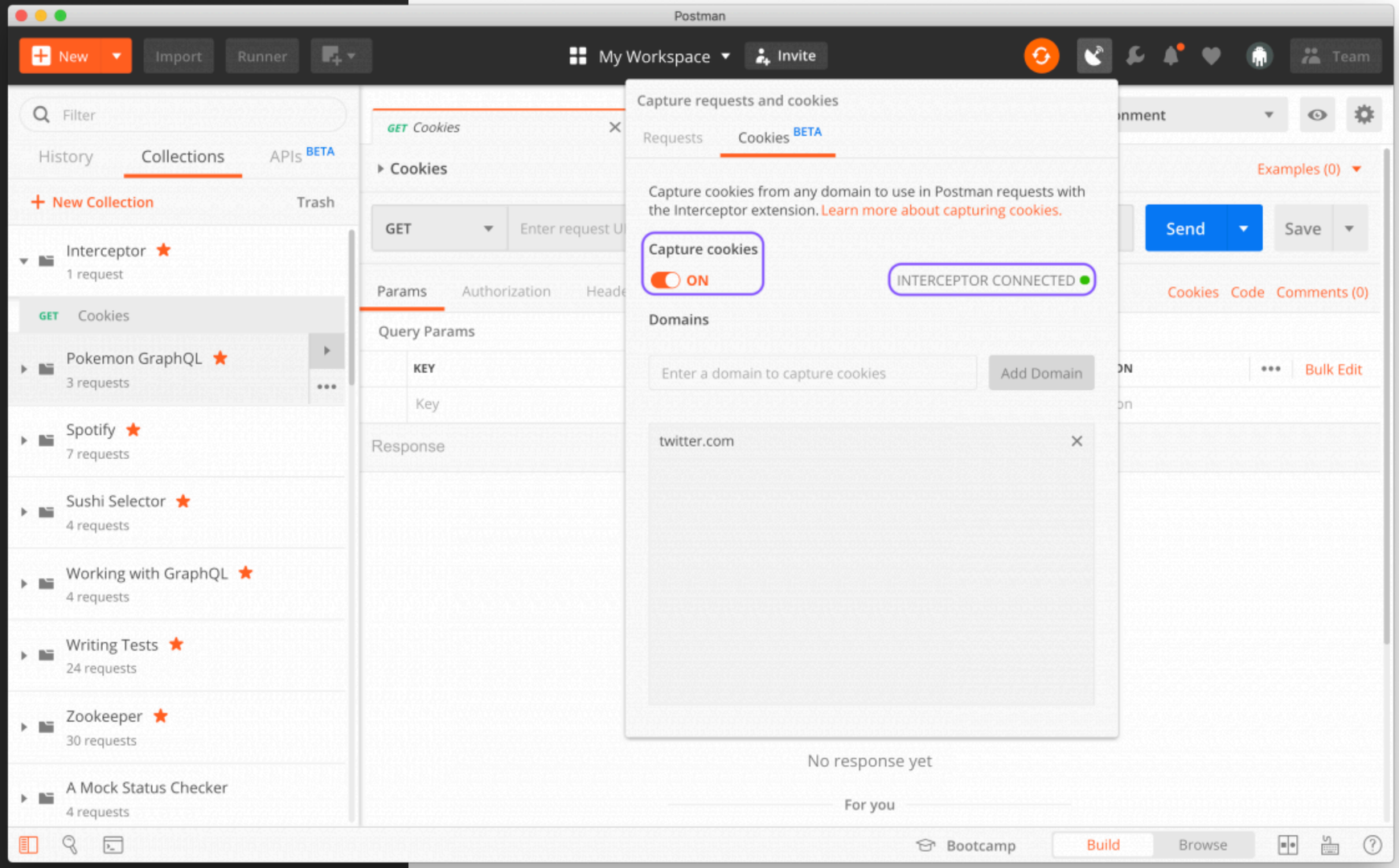
Interceptor



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Finer control for generating code.

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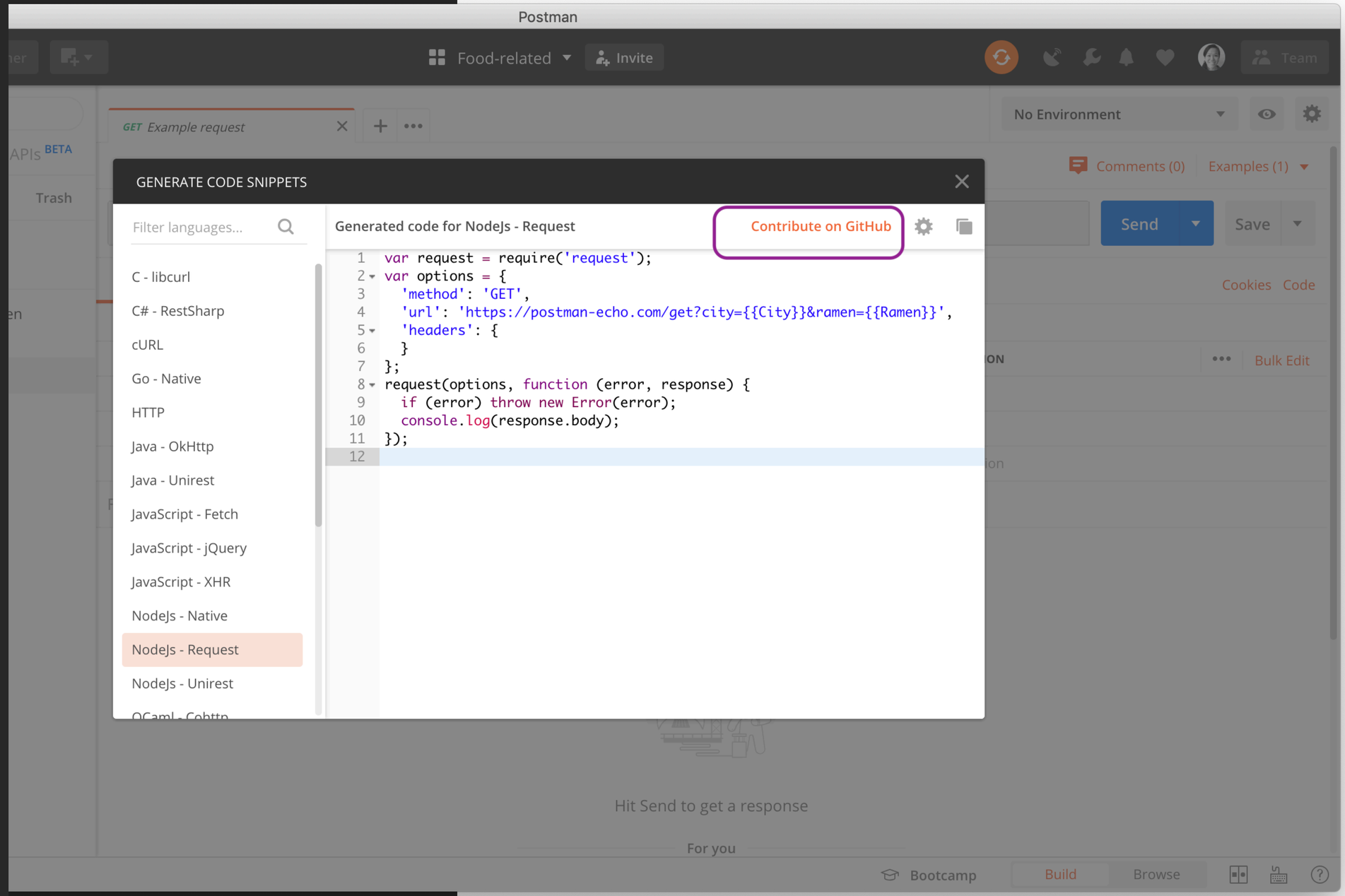
CodeGen



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Powerful debugging with the console.

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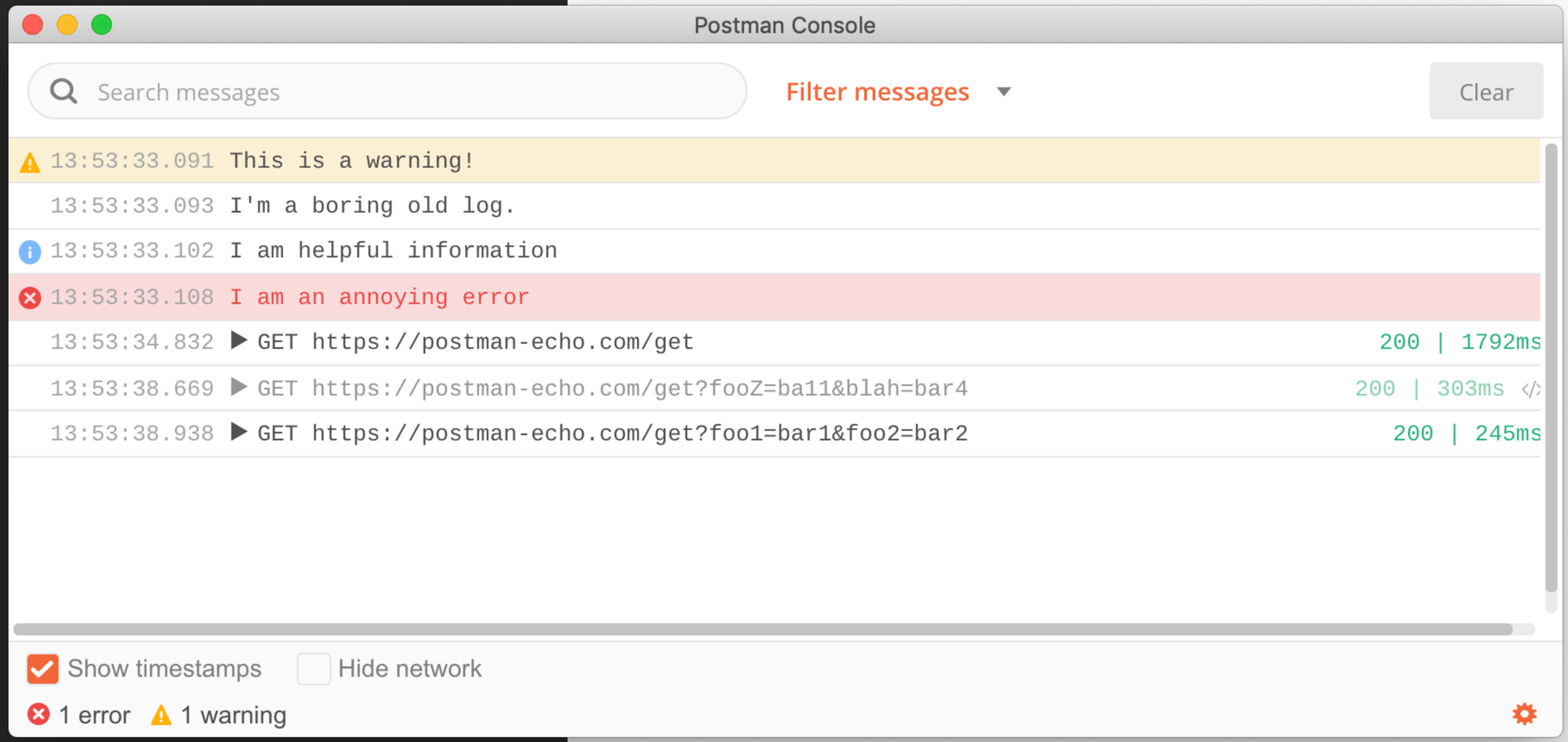
Console



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How to use the Postman console

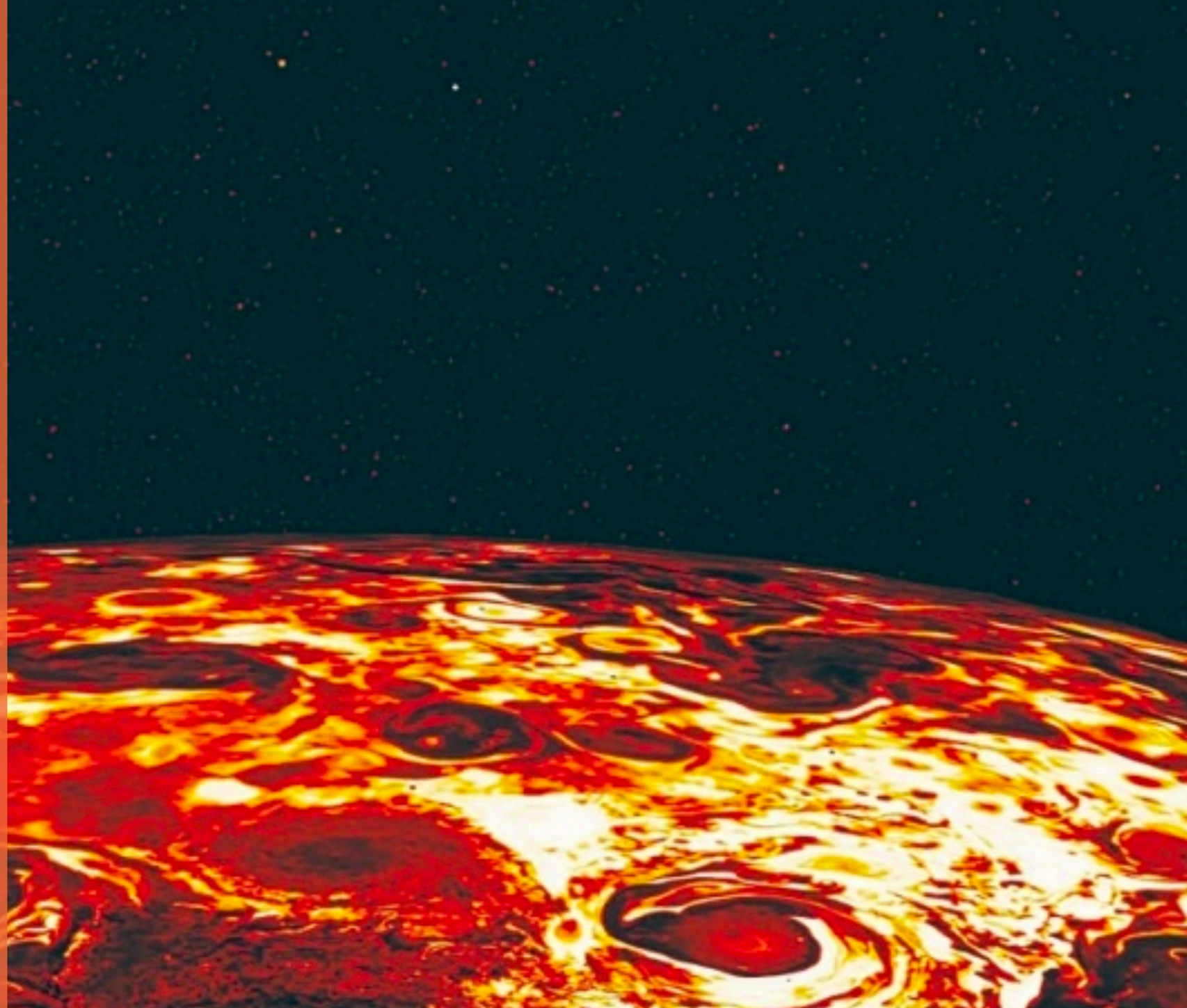
POSTMAN

Activate thrusters - resources

Cosmos

Working with GraphQL

How to use the Postman console



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Final thoughts

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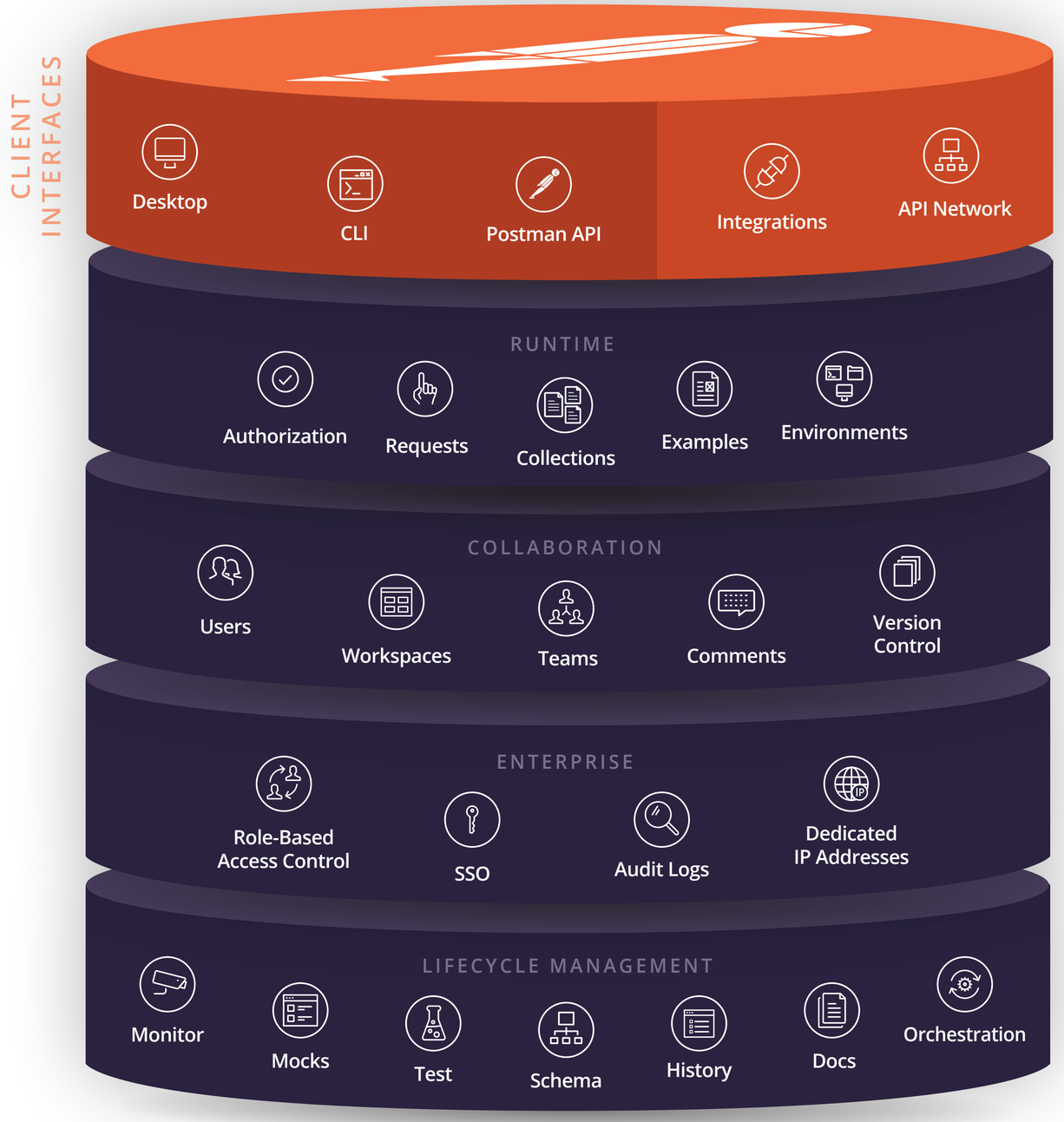
POSTMAN

Postman as a Platform



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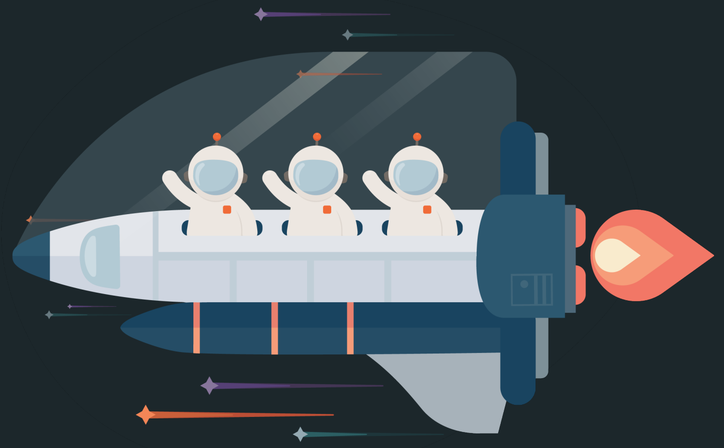
Additional Resources



- **Launchpad** - in app
- **Community-contributed templates -** https://learning.getpostman.com/docs/postman_for_publishers/postman_templates/add_templates
- **Community forum** - https://community.getpostman.com/
- **Product Roadmap** - https://trello.com/b/4N7PnHAz/postman-roadmap-for-developers
- **Better Practices** - https://medium.com/better-practices

POSTMAN

Side missions

Mock servers for prototypes and testing

API specifications and schema validation

CDC testing for microservices

Source control and versioning

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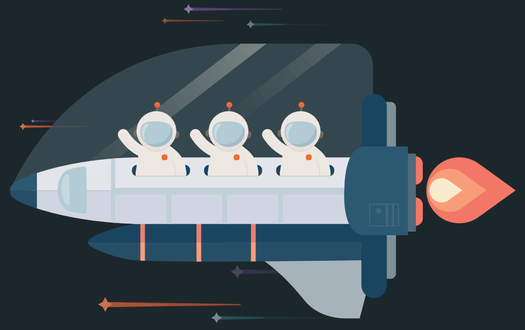

Thank you

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