

Postman

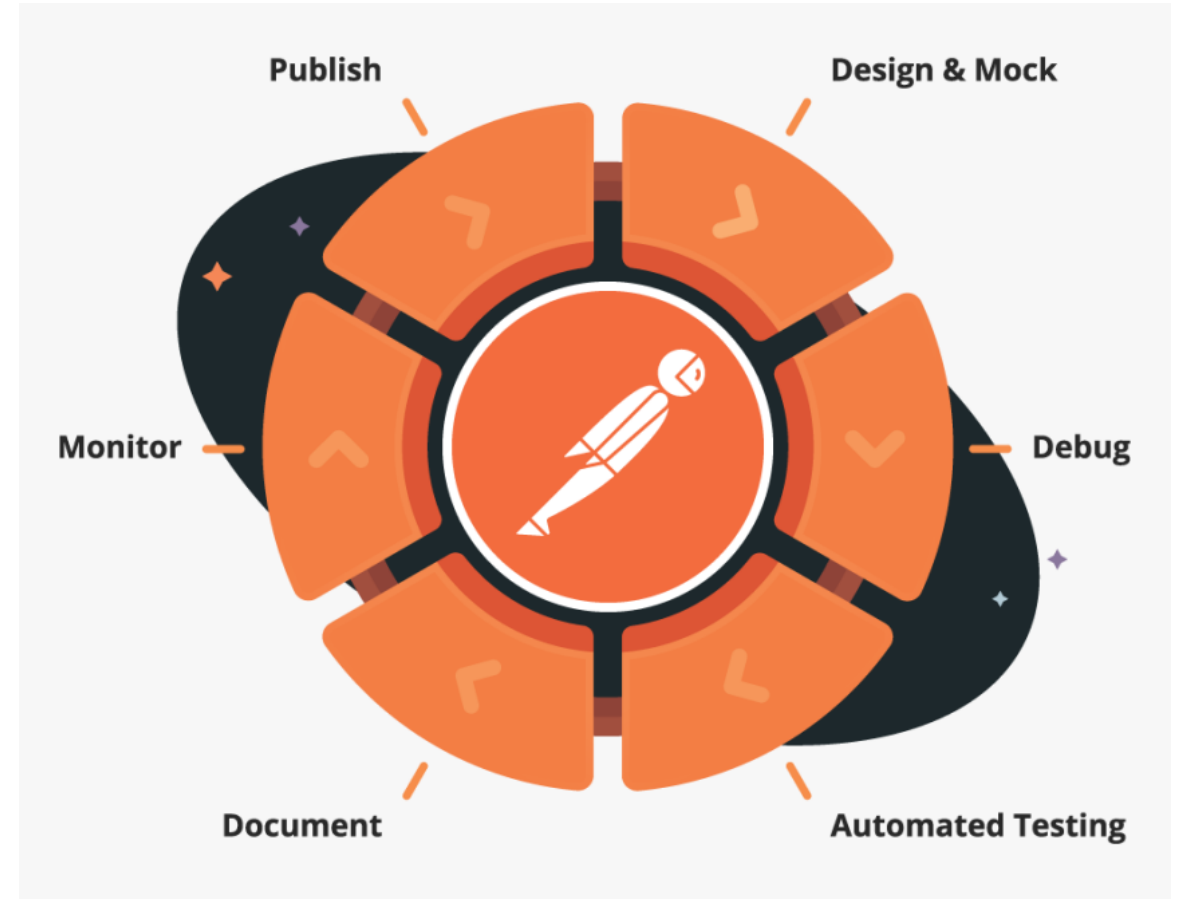


Postman is an API platform for building and using APIs. Postman simplifies each step of the API lifecycle and streamlines collaboration."



Features

- Make Request(s)
- Test
- Publish, Share & Collaborate with your Team or the Public
- Documentation
- Monitor your API Status
- Mock not yet created APIs based on API Definitions



Create Requests

Build collections of requests that read, create, delete data in an API no matter if it's a GraphQL, REST or even gRPC API.

- GET/POST/PUT/DELETE/HEAD
- Query Parameters
- set Headers (including Cookies)
- Form, JSON Bodies
- upload files
- organize those requests in nested folders
- add description to parameters and variables for easy re-use

Flexibility

Create a collection once, use in different environments, for different user(s) and use-cases.

- variables on different levels:
 - collections
 - environment(s)
 - global
- re-use the variables anywhere (`{{variableName}}`)

More: [Defining Variables](#)

Random Variables

Postman uses Faker to provide a whole bunch of different randomly created variables that can be used especially in create request.

Think of:

```
{  
  "username": "{{randomFirstName}}-{{randomLastName}}",  
  "password": "{{randomPassword}}"  
}
```

Creating a new randomly created user each time and uses this user for subsequent requests.

More about Dynamic Variables

Tests

Each requests runs Javascript Code when it's done in order to be able to test the results. This makes it easy to add simple (and even complex) assumptions to a single request or even folders or whole collections.

Some Examples:

- valide response bodies agains certain schema(s)
- check for presence or values of header(s)
- re-use response data for later request(s)

More Test & Scripting: <https://learning.postman.com/docs/writing-scripts/script-references/test-examples/>

Library API Reference

Library API Reference

+ ☰

No Environment

▼ 👁

Library API Reference

No Environment, just now

View Summary

Run Again

New

Export Results

All Tests

Passed (2)

Failed (0)

Iteration 1

GET books {{baseUrl}}/books / books

200 OK 185 ms 9.701 KB

Pass Status code is 200

GET book {{baseUrl}}/books/{{id}} / book

404 Not Found 95 ms 281 B

This request does not have any tests.

POST add book {{baseUrl}}/books / add book

201 Created 117 ms 233 B

Pass Status code is 200

PATCH update book {{baseUrl}}/books/{{id}} / update book

404 Not Found 103 ms 281 B

This request does not have any tests.

DELETE delete book {{baseUrl}}/books/{{id}} / delete book

404 Not Found 96 ms 281 B

This request does not have any tests.

1



Run Collection

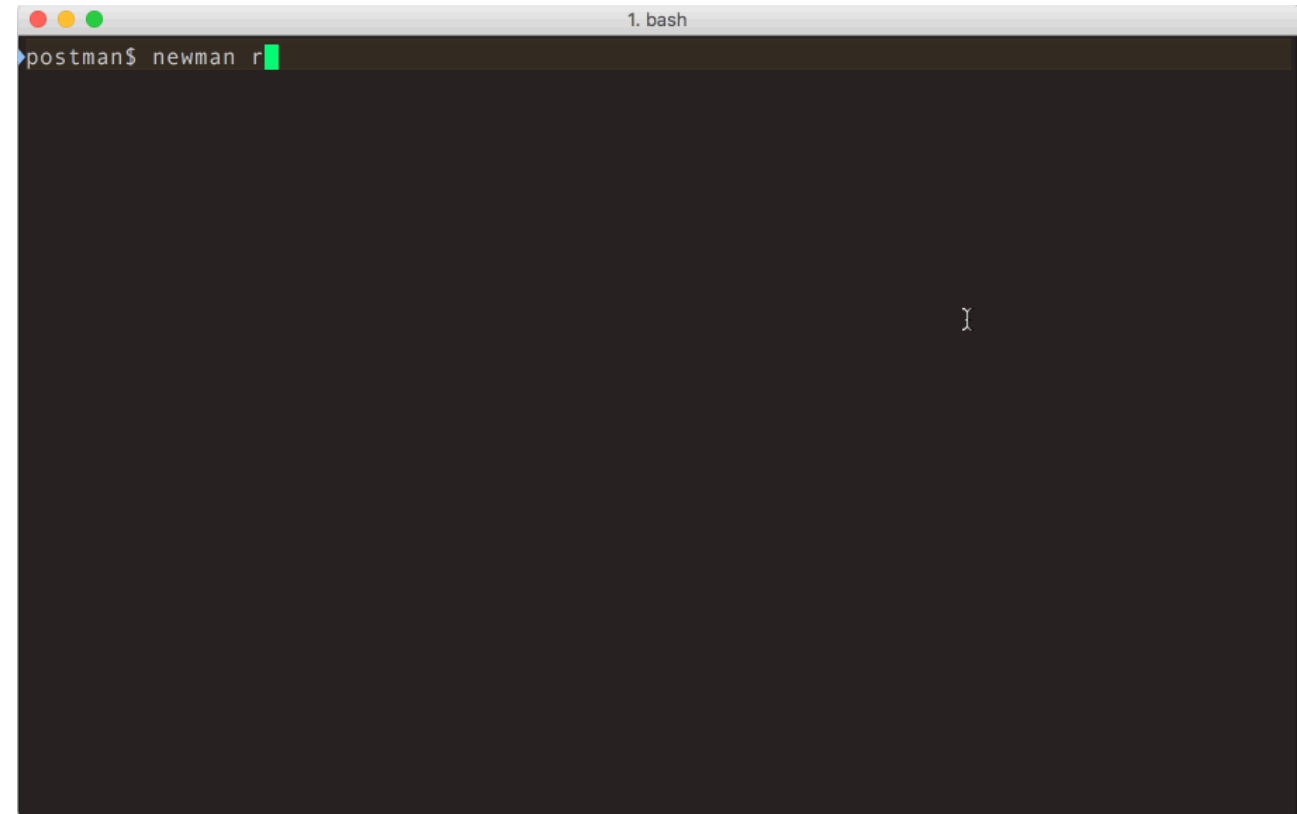
A collection can be run
alltogether and all requests and
tests are executed sequentially
and result in a report:

Automation

newman is a command line tool written in nodejs which can run collections and execute it's tests:

```
npx newman run <collection-json-filename>
```

More about [newman](#)



Demo Time



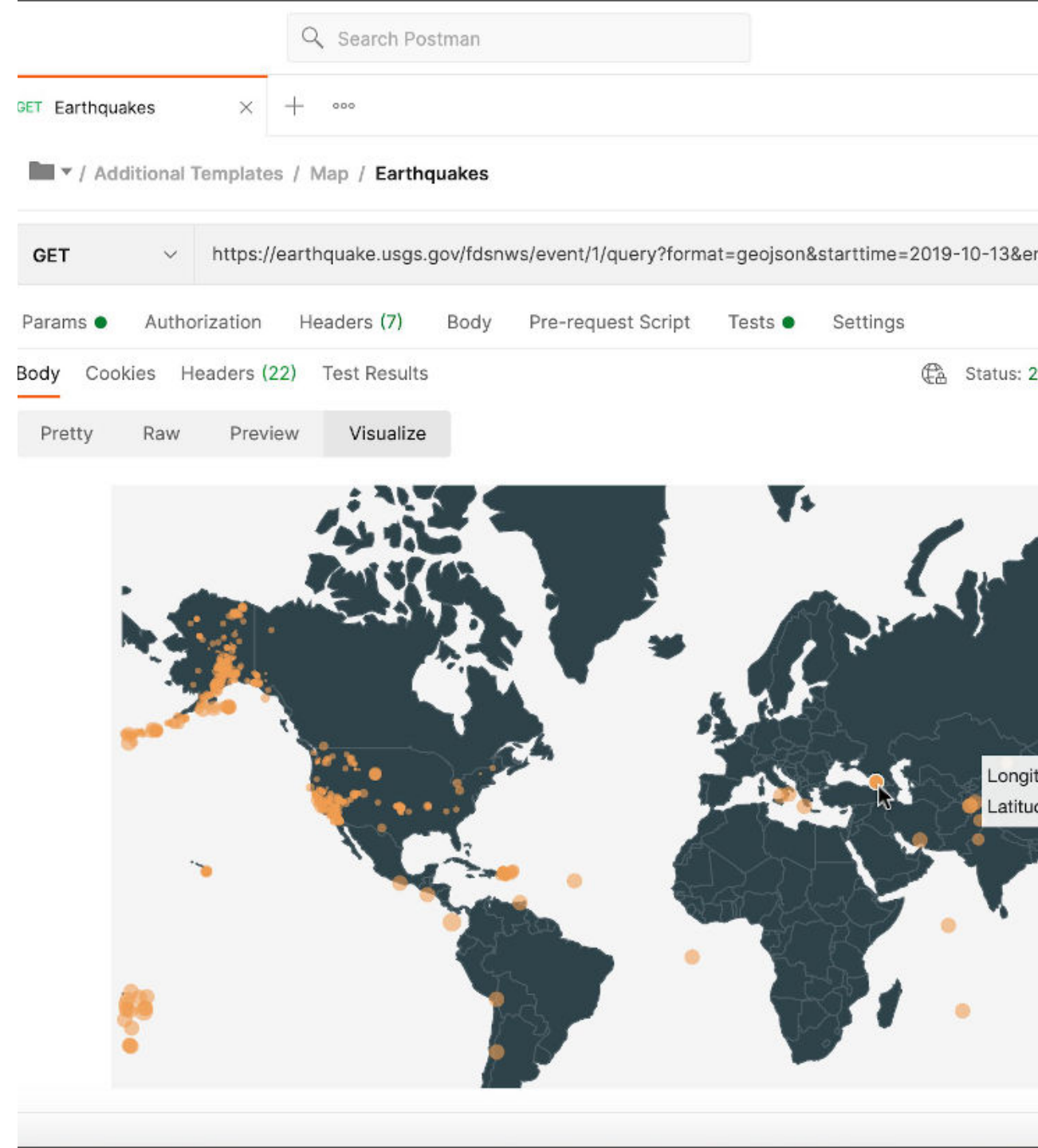
- Show simple GET request(s)
- Show GraphQL Request
- Show Test
- Show Collection Run
- Show NewMan
- Show Visualization
- Show Monitoring

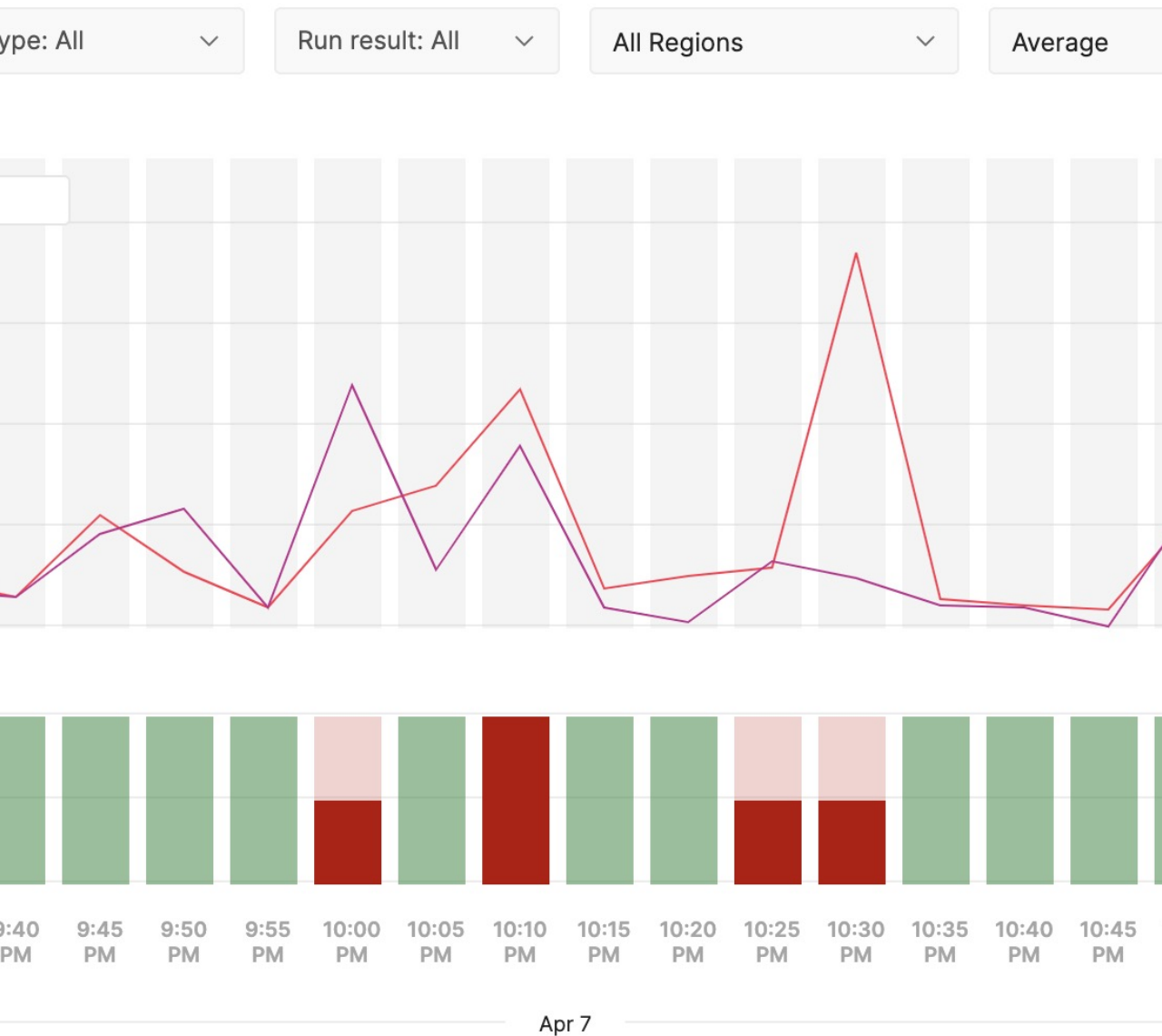
Outlook

Visualization

Show data from an API in (interactive) visualisations like tables, charts, maps etc.

More about [Visualization](#)





Monitoring

Run collections every n-minute/hour and record the results of it

More about [Monitoring](#).

Others

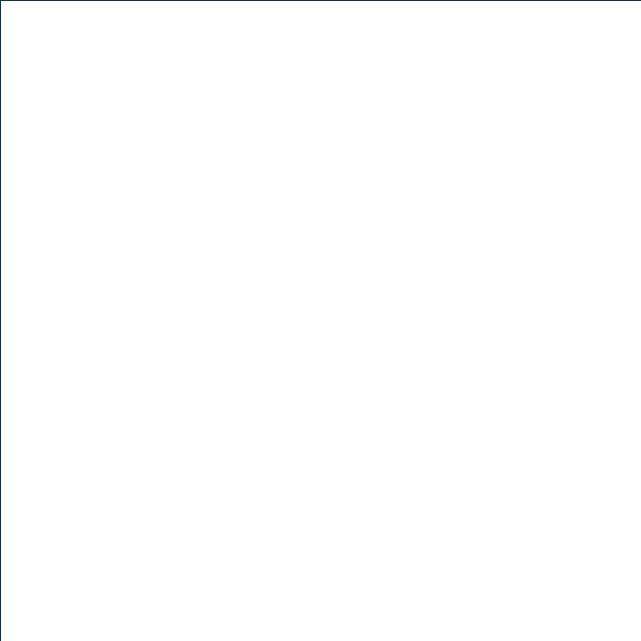
- Sharing
 - Share API Definitions, Documentations, Monitors with the public
 - checkout [Bitly API on Postman Explorer](#)
- Mocking
 - Create API definitions and start using them without having a server
- Flows
 - Visually program and connect multiple API requests and process results

Try It! It's free: <http://postman.com>

Resources



- [Postman API testing by example](#)
- [Official Documentation](#)
- [Automation tricks with newman](#)



**Thanks for
listening!**