POSTMAN AUTOMATION, NEWMAN & CLI

WHAT TO EXPECT

1. Why Move Beyond the Postman Interface?
2. Introduction to Newman
3. Running Collections with Newman
4. Generating and Customizing Reports
5. Automating API Tests in CI/CD

Why Move Beyond the Postman Interface?

UI

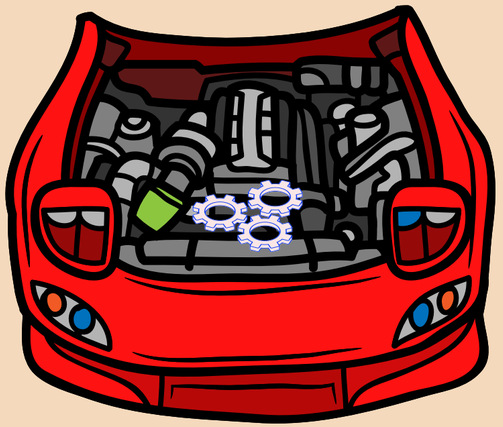
Postman GUI :

- Manual execution of collections.
- Limited options for advanced automation and integrations.

Why Move Beyond the Postman Interface?

UI

Under the hood



Why Use CLI and Newman?

- Automate API test suites.
- Integrate API testing into CI/CD pipelines.
- Generate detailed reports for analysis.

hello

NEWMAN

Getting Started with Newman

Newman is a CLI(Command Line Interface) tool for running Postman collections.

1. Install Node.js (also npm)

2. Install Newman

```
npm install -g newman

newman --version
```

- Lightweight and easy to use.
- Supports running collections with environments and data files.

Running Collections with Newman

- Specify Environment

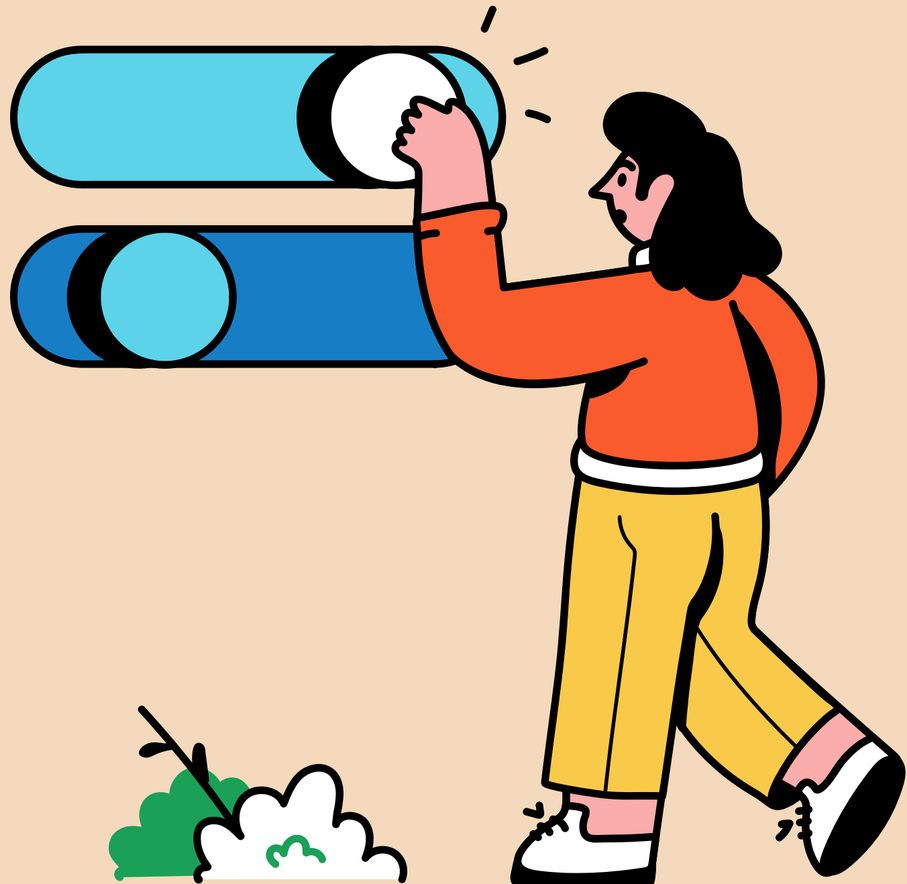
```
newman run <collection-file.json> -e <environment-file.json>
```

- Use Data Files for Iterations

```
newman run <collection-file.json> -d <data-file.csv>
```

- Save Reports

```
newman run <collection-file.json> -r cli,json,html
```



Analyzing Test Results with Reports

Built-in Reporters

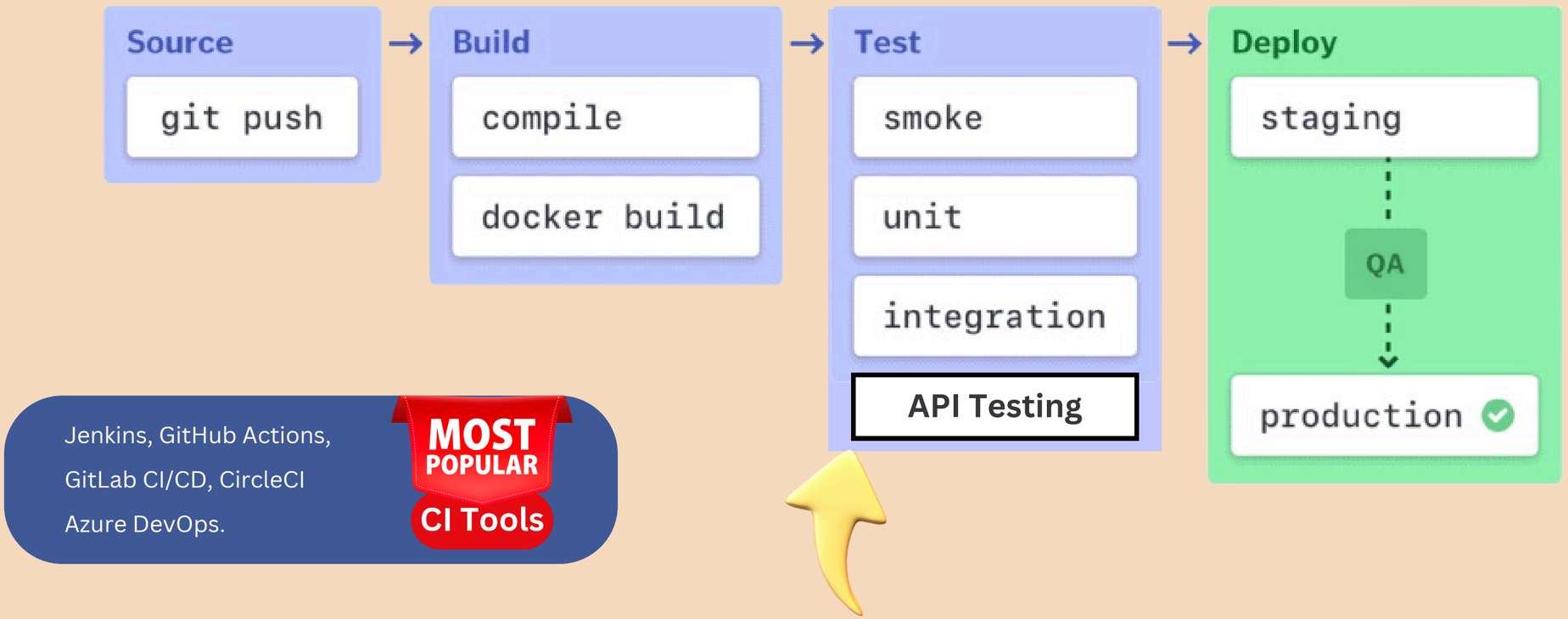
CLI, JSON, HTML, JUnit.

Custom Reporters

newman-reporter-htmlextra

https://www.npmjs.com/package/newman-reporter-htmlextra

Automating API Tests in CI/CD



Integrating Newman into CI/CD pipelines ensures your APIs are continuously tested. This not only catches bugs early but also builds confidence in the reliability of your application during frequent deployments.

SHOWTIME

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See you in Next Video