

# Test from Development to Deployment with RapidAPI Testing

Powerful functional API testing and monitoring that provides an intuitive UX, support for any API type, and integration with RapidAPI Marketplace & Enterprise Hub



## Comprehensive Testing

Easily create intricate functional tests for deep validation of APIs



## Global Monitoring

Centrally monitor and manage API tests across multiple geographies



## Seamless Integration

Integrate to the CI/CD pipeline, collaborate across teams and natively integrate with RapidAPI Marketplace & Enterprise Hub



## Ensure API Functionality

Create complete and customizable functional API test flows with an easy-to-use interface for visual, automated or code-based test generation.

### Deep Validation

Validate complete functional flows with end-to-end flows that call multiple API endpoints and chain data between them to mimic real application behavior.

### Intuitive Test Design

Enable non-programmers to easily create intricate test flows and perform deep validation of APIs with the drag-and-drop editor.

### Granular Control

Refine testing flows as needed with a code based interface and running custom code execution in test flows.

### Automatic Test Creation

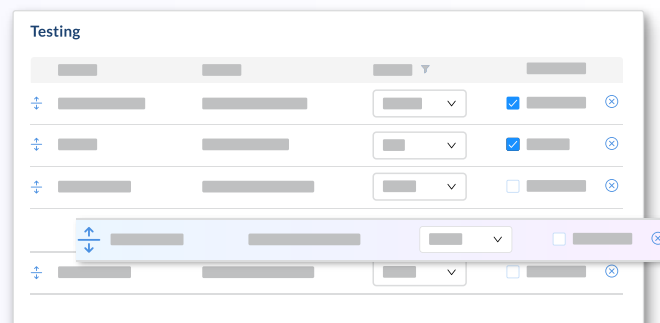
Simply define your API and upload an OpenAPI spec file to infer API properties and automatically generate tests that perform deep assertions on your APIs.

### GraphQL Support

Author API tests for GraphQL queries from the same interface as for REST and SOAP APIs.

### API Security

Secure every step of the testing process with testing for any AuthN and AuthZ method including OAuth 2.0/OpenID Connect, header validation to check headers are configured correctly and do not contain sensitive information, and passing SQL, NoSQL and other commands via queries and body parameters to prevent injection flaws.





## Centralized Monitoring

Centrally and securely monitor and manage all API tests to ensure performance of applications, APIs, and microservices.

### Performance Monitoring

Ensure performance for users everywhere by running tests across multiple global data centers.

### Real-time Alerts

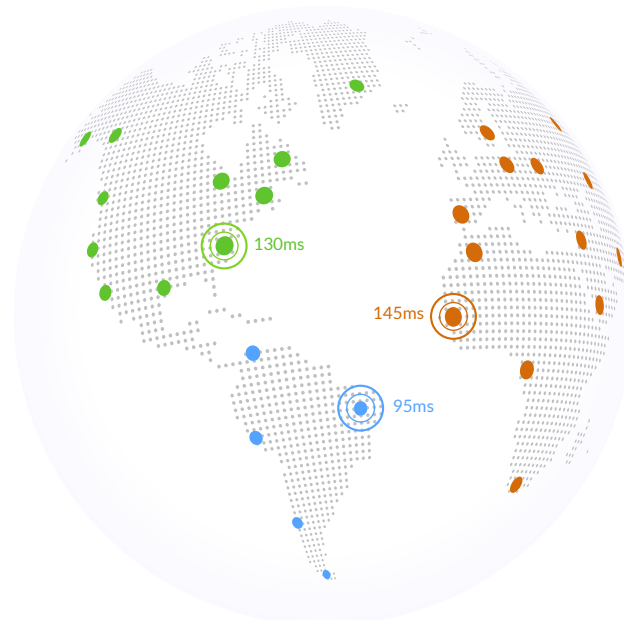
Receive alerts via SMS and Email when tests fail. Integrate with existing developer tools including GitHub, PagerDuty, Slack, and Twilio.

### Detailed Reporting

View detailed execution reports to pinpoint issues and accelerate resolution times. Log every API test at the individual API request level to understand what endpoints are driving application latency.

### Single Pane Management

Manage all your tests in one place with the management dashboard. Create tests across multiple environments simultaneously.



## Improve Efficiency

Improve development efficiency with built-in collaboration capabilities and a dedicated webhook for integration across the CI/CD pipeline.

### CI/CD Integration

Use a dedicated webhook to run API tests from CI/CD pipelines managed by Jenkins, Circleci, GitHub, Travis CI and GitLab

### Built-in Collaboration

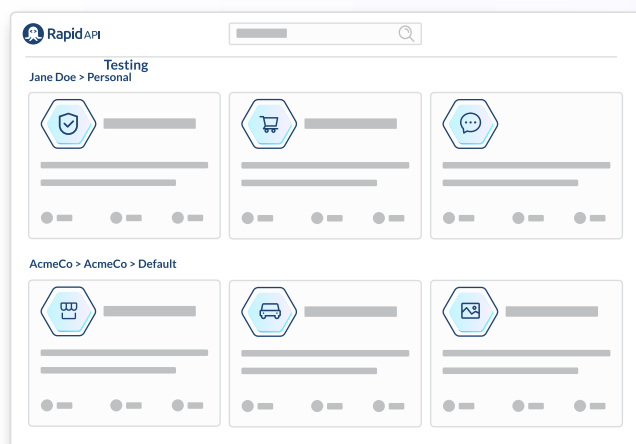
Organize developers into teams, assign API and test permissions at the team and role level, and enable real-time collaboration for running tests and inspecting results.

### API Marketplace / API Enterprise Hub Integration

Automatically import APIs published to the RapidAPI Marketplace into the RapidAPI Testing dashboard to ensure quick testing coverage and eliminate the need to manually add APIs to the testing environment. Easily add API endpoints during test creation.

### Enterprise-ready

Pull and push tests from the cloud UI to a local on-premise agent for behind firewall execution of enterprise testing flows.





## Key Features

### Comprehensive Testing

- End-to-End Flows (request chaining, custom code actions, passing variables into test steps, looping over results)
- Drag-and-Drop Editor
- Code-based Editor
- Automatic test generation from API spec
- REST, SOAP, and GraphQL Support
- API Security via OAuth2/OIDC, header validation, injection flaw testing and more
- Request generator

### Global Monitoring

- Performance monitoring across 9 AWS regions (Azure coming soon)
- SMS and Email Alerts
- Integration with existing incident management tools including GitHub, PagerDuty, Slack, and Twilio
- Detailed Execution Reports
- Management Dashboard
- Analytics and Logging
- Testing in multiple environments (development, staging, production)
- Test scheduling (frequency, environment, location)

### Seamless Integration

- CI/CD Integration via dedicated webhook
- Collaboration via team creation
- Roles and permissions
- RapidAPI Marketplace / Enterprise Hub Integration (automatic API sync with RapidAPI Testing)
- On-premise testing via local agent behind firewall



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