

Automate API Testing with RapidAPI Testing

Powerful functional API testing and monitoring for all your APIs



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 and RapidAPI Studio to access API requests, collaborate across teams, and natively integrate with RapidAPI Hub and RapidAPI 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 tests that call multiple API endpoints chaining data between them to mimic real application behavior.

Intuitive Test Design

Enable non-programmers to easily create intricate test flows using drag-and-drop capabilities with visual editor.

Granular Control

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

Automatic Test Creation

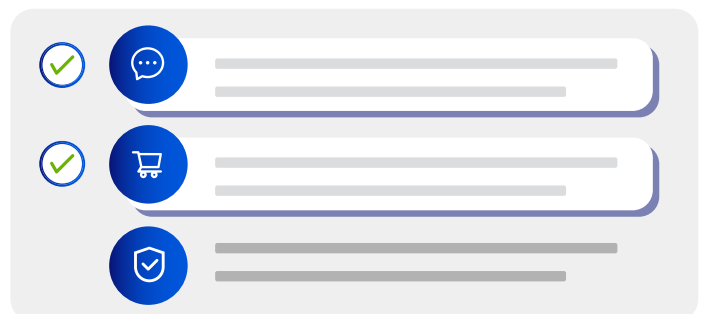
Leverage requests using RapidAPI Studio to simply define your API and upload an OpenAPI spec file to infer API properties and automatically generate tests that perform deep assertions on your APIs.

Extensive API Type Support

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

API Security

Secure every step of API testing with support for any AuthN and AuthZ method, header validation and inspection, and commands to prevent SQL injection.



Centralize Monitoring

Monitor and manage all API tests to ensure performance of applications, APIs, and microservices.

Performance Monitoring

Ensure performance for users worldwide 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 expedite resolution times. Log every API test at the individual API request level to understand what endpoints are driving application latency.

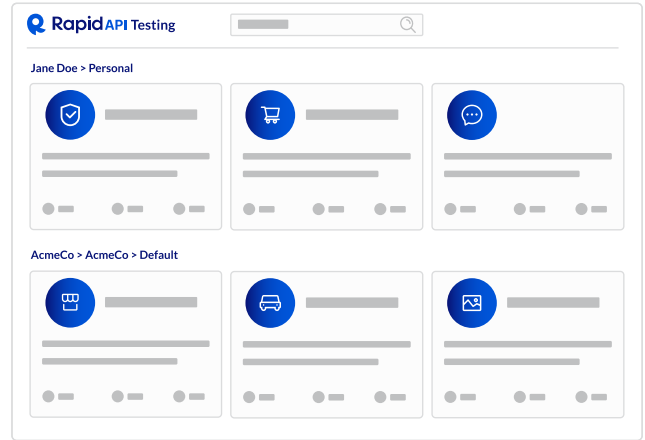
Single Pane Management

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



Improve Efficiency

Improve development efficiency leveraging RapidAPI Studio for automated test generation, 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.

Prebuilt API Test Functions

Accelerate test creation using over 20 different pre-made test functions in the visual editor. Includes steps for data fetching, assertions, flow controls, and dynamic values.

Simplified Test Generation

Streamline test creation using Request Generator to apply assertion rules, creating steps to define their behavior and Test Fragments to reuse tests.

RapidAPI Hub and RapidAPI Enterprise Hub Integrated with RapidAPI Studio

Automatically sync APIs published to the RapidAPI Hub and RapidAPI Enterprise Hub to the testing dashboard ensuring quick testing coverage.

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)
- Visual Editor
- Code-Based Editor
- Request Generator
- Test Fragments to reuse parts of a test
- Database Connector to pull test data from a database
- Automatic test generation from API spec
- Fake Data Generator
- REST, SOAP, and GraphQL support
- API Security via OAuth2/OIDC, header validation, injection flaw testing and more
- JWT Encoding and Decoding

Global Monitoring

- Performance monitoring across 9 AWS regions
- SMS and Email Alerts
- Integration with existing incident management tools including GitHub, PagerDuty, Slack, and Twilio
- Detailed Execution Reports
- Daily Performance Summaries
- 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
- Database Connector
- Collaboration via team creation
- Roles and permissions
- RapidAPI Hub and RapidAPI Enterprise Hub Integration (automatic API sync via RapidAPI Studio)
- Access and sync tests across platforms: web, native apps, and IDEs such as VS Code
- On-premise testing via local agent behind firewall

RapidAPI Studio

With RapidAPI Studio, developers use the same simplified workflow to build, consume, manage, and monetize their APIs, enabling organizations to accelerate API delivery while providing developers with a streamlined and more efficient coding experience. This experience is available to developers anywhere they prefer to work, in browser, CLI, native apps, and in popular IDEs such as VS code.



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RapidAPI empowers millions of developers to build modern software with a next-generation API platform including the world's largest API hub and fully-integrated solutions for API collaboration, discovery, testing, publishing, consumption, and more.