

Global API Testing Tool Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global API Testing Tool market size was valued at US\$ 1320 million in 2025 and is forecast to a readjusted size of US\$ 4439 million by 2032 with a CAGR of 18.8% during review period.

API testing tools are software products used to create, execute, automate and manage tests for application programming interfaces. They validate whether an API returns the expected data, status codes, schemas, error messages, authentication results, response times and business-process outcomes under normal, negative, edge-case and high-load conditions.

North America is the largest market because of its concentration of cloud providers, software companies, financial institutions and major testing-tool vendors. The region has relatively mature adoption of DevOps, microservices and API-first development.

European demand is supported by banking, telecommunications, automotive manufacturing, public-sector digitalization and regulated enterprise systems. Data-residency and governance requirements sustain demand for self-hosted and private-cloud deployments.

Asia-Pacific is expected to record the fastest growth through 2032. India is important for software development and testing services, while China, Japan, South Korea, Australia and Southeast Asia are expanding investments in digital banking, e-commerce, telecommunications and cloud-native enterprise systems.

Latin America, Middle East and Africa remain smaller but are growing as banks, governments, telecommunications operators and online retailers modernize customer-

facing platforms and adopt API-based integration.

Major Market Drivers

1. API-First Development

Organizations increasingly design APIs before building applications and user interfaces. This shifts testing earlier in the development process and increases demand for specification-based, automated and collaborative testing.

2. Microservices Adoption

Microservice architectures create more endpoints, dependencies and versioning risks than monolithic applications. As the number of services increases, manual API validation becomes impractical.

3. CI/CD and DevOps Automation

API tests are increasingly executed automatically whenever code changes. Postman, Tricentis and other platforms support pipeline-based API-test execution rather than limiting tests to a separate quality-assurance stage.

4. API Security

The expansion of public, partner and machine-consumed APIs increases the risk of broken authorization, data exposure, injection attacks and business-logic abuse. Security testing is therefore becoming integrated with functional API testing.

5. AI Agents

AI agents generally access enterprise data and actions through APIs. This increases the importance of stable contracts, authentication, predictable responses and automated testing. Postman's 2025 research highlights a significant gap between widespread developer use of AI and the proportion of APIs designed for AI-agent consumption.

Report Scope

This report is a detailed and comprehensive analysis for global API Testing Tool market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global API Testing Tool market size and forecasts, in consumption value (\$ Million), 2021-2032

Global API Testing Tool market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global API Testing Tool market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global API Testing Tool market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for API Testing Tool

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global API Testing Tool market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Postman, Inc., SmartBear Software, OpenText Corporation, Tricentis,

Katalon, Inc., Parasoft Corporation, Perforce Software, IBM, ACCELQ, Kong Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

API Testing Tool market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segmentation

Market segment by Type

Cloud-based

On-premises

Market segment by Supported API Communication Protocols

REST API Dedicated Tools

GraphQL Testing Tools

gRPC Testing Tools

SOAP Web Service Tools

Real-Time WebSocket Tools

Multi-Protocol All-in-One Tools

Market segment by Core Testing Scenario & Functional Focus

Functional API Testing Tools (Debug & Regression)

API Performance & Load Testing Tools

API Security Testing Tools

API Mock & Virtualization Tools

API Specification Compliance Tools

Market segment by Application

SMEs

Large Enterprises

Market segment by players, this report covers

Postman, Inc.

SmartBear Software

OpenText Corporation

Tricentis

Katalon, Inc.

Parasoft Corporation

Perforce Software

IBM

ACCELQ

Kong Inc.

Google Cloud

BrowserStack

TestGrid

Subject7

Testsigma Technologies

mabl

Loadmill Ltd.

Checkly

Guangzhou Ruihu Technology

StackHawk

Shenzhen Yinyun Information Technology

FIT2CLOUD

Apipost

Inflectra Corporation

Crosscheck Networks

Optimizory Technologies

Borvid

Karate Labs

Apache Software Foundation

Human Crest

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

Chapter Outline

Chapter 1, to describe API Testing Tool product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of API Testing Tool, with revenue, gross margin, and global market share of API Testing Tool from 2021 to 2026.

Chapter 3, the API Testing Tool competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and API Testing Tool market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of API Testing Tool.

Chapter 13, to describe API Testing Tool research findings and conclusion.

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