Akamai CloudTest

Real-Time Load Testing

Akamai CloudTest is one of the most robust load-testing platforms available. It validates performance at scale — from hundreds to millions of virtual users — in test and production environments. CloudTest works with websites, mobile apps, APIs, databases, and online services, as well as continuous integration and continuous delivery (CI/CD) processes.

Actionable Performance Analytics

With one of the most sophisticated big-data analytics engines, CloudTest processes billions of data points and provides performance results in real time. Using metrics from every aspect of the application infrastructure while testing, you can easily spot bottlenecks from code, networks, servers, and databases.

Complete Development Cycle Testing

CloudTest supports the entire development cycle. Developers can test API services, QA can automate checks using CI/CD, and operations can validate performance at scale, all with the same test. Verify performance in your pre-production environment, or use real-time analytics to test in production.

Fully Managed or Self-Service Solution

Akamai's performance engineers bring years of industry experience and testing expertise into every engagement, all in full collaboration with your team. Run load tests in your lab behind firewalls, or in the cloud, all under the guidance of our performance engineers.

KEY BENEFITS

Akamai CloudTest is designed to deliver the speed, scale, and control for the confidence that your websites and apps are ready to perform and scale to accommodate fluctuating online traffic, including peak events.

Speed: Quickly evaluate performance with real user scenarios to identify possible issues and mitigate risks

Scale: Spin up larger loads with broader geographic reach and no limits on real-time analytics processing of test results or performance data

Control: Safely test in production with instant results and the ability to increase or decrease load while testing

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Features

Intuitive Test Creation – Insert conditionals and loops; nest actions; set parameters, variables, and validations; and reuse and combine tests – all without code.

Visual Playback Editor – Drag and drop test cases into tracks to be executed on various cloud or on-premises locations. Configure virtual users, geographic origins, repeats, ramp-ups, and pacing – with just a few clicks.

Customizable Dashboards – Gain a single view of performance with built-in dashboards that merge analytics, including data from third-party monitoring tools.

Elastic, Globally Distributed Environment – Generate realistic production volume from locations that represent your actual user base with Akamai Global Test Cloud.

Grid Provisioning – Spin up your test infrastructure across all cloud providers and detect errors as the grid is deployed, replacing servers as needed.

Private Cloud – Use a virtual private cloud or internal load generators in multiple labs to create your own private test environment.

Dynamic Ramp – Increase or decrease load during a test with real-time analytics. Recreate business cases by dynamically changing your test profile to mimic promotions or an outage.

mPulse Integration – Monitor real user experiences during a load test to prevent any negative user impact and test infrastructure end to end.

Managed Service

- Expert team with vast experience in complex, large-scale production testing
- Guidance on testing scope, user journeys, and scenarios
- Collaborative testing sessions
- Comprehensive reporting

Akamai *Experience the Edge*

Akamai secures and delivers digital experiences for the world's largest companies. Akamai's intelligent edge platform surrounds everything, from the enterprise to the cloud, so customers and their businesses can be fast, smart, and secure. Top brands globally rely on Akamai to help them realize competitive advantage through agile solutions that extend the power of their multi-cloud architectures. Akamai keeps decisions, apps, and experiences closer to users than anyone – and attacks and threats far away. Akamai's portfolio of edge security, web and mobile performance, enterprise access, and video delivery solutions is supported by unmatched customer service, analytics, and 24/7/365 monitoring. To learn why the world's top brands trust Akamai, visit akamai.com, blogs.akamai.com, or @Akamai on Twitter. You can find our global contact information at akamai.com/locations. Published 09/20.