

Product Brief

CA BlazeMeter

Extend the Testing Center of Excellence (CoE) for Agile Testing

Key Benefits

- **Shift left to test early and often in the development cycle.** Test coverage increases exponentially as adoption rates rise. Development cycles become increasingly stable. Fewer silos result in increased efficiency and transparency. Enjoy a 50% reduction in application dev-test cycles with a 23% improvement in application time to market.
- **Test every build at every stage in the delivery pipeline.** Take advantage of this simple, self-service, no-install SaaS solution. Perform continuous performance testing through integration across the CI/CD pipeline. Increase developer efficiency by 10% when teams are made aware of performance issues earlier in the development cycle. More reusability and less script maintenance means that you can release quality software faster.
- **Scale high, scale global in the cloud.** Stress test to 10 million or more virtual users through the cloud. Simulate real world production-network patterns across multiple geographic locations, using a single tool. Always be on the latest version with this next generation SaaS solution. Improve application performance by 10x while achieving behind-the-firewall data security and the benefits of the private cloud.

Overview

This is the era of application supremacy, when every company promotes its brand, products, and services through web and mobile applications. When a customer finds your application, you have mere seconds to impress. Sixty-eight percent of users demand an application load time of six or fewer seconds. It is no surprise that every enterprise strives to achieve an excellent customer experience with application performance. Failure to deliver a positive application experience means immediate revenue loss and long lasting impact caused by customer churn.

Business Challenges

With the challenges of the digital economy, most developers now rely on the contributions of an open source community to support the breakneck pace of their work. This also means performance testing approaches have changed dramatically to keep pace with the demands and speed of agile application development. Application performance testing must be easily accessible to the distributed development teams across the business, be done efficiently with realistic load patterns across multiple geographic locations, and provide actionable analytics to improve performance characteristics.

But few QA methods have adapted to today's agile testing needs. Severely overwhelmed by the volume-velocity-variation of quality application releases, testing CoEs are wedded to proprietary testing platforms that are not optimized to support open source technologies today. There is no good way for teams to incorporate proprietary QA components and manual processes into their open sourced based code development. This disconnect creates costly bottlenecks and delays. If teams are constrained to proprietary testing platforms in the testing CoE, they must reinvent the wheel each time they take on a new open source development project. This means slower releases to ensure quality or going to market faster but with more defects.

Solutions Overview

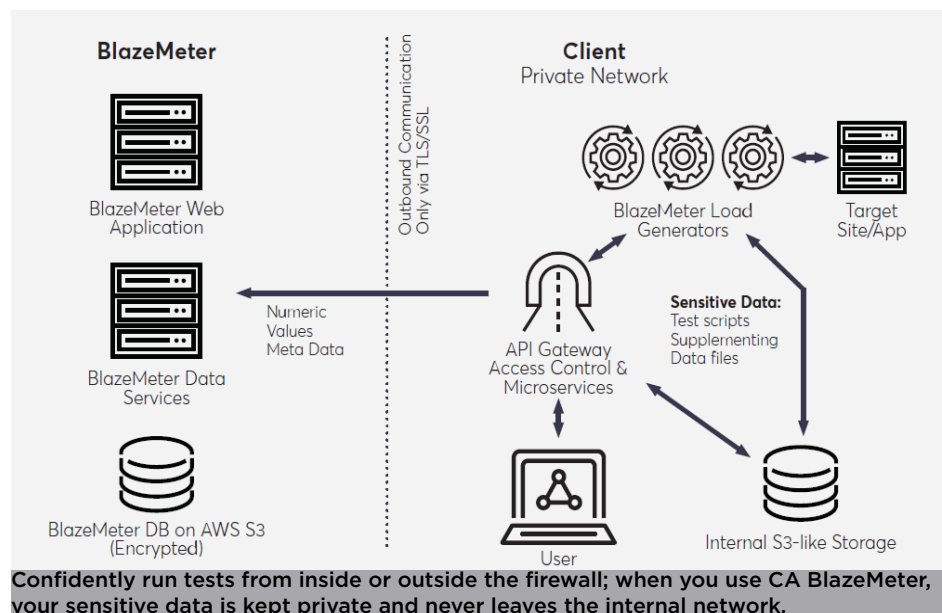
Development teams are relying less on scarce external load testing resources. Instead, they are performance testing with CA BlazeMeter, and using it early in the development cycle. A SaaS-based, easy-to-use, next generation continuous performance testing solution, CA BlazeMeter is the industry leading commercial platform. CA BlazeMeter supports open source based testing with a world class enterprise-ready network that extends the testing CoE. CA BlazeMeter speaks the *language* of development teams and offers them the tools that matter to them in their IDE of choice. CA BlazeMeter also works with legacy processes and protects existing platform investments.

Key Benefits (cont.)

- **Test and monitor for peak performance.** Securely capture and replay real mobile traffic. Use complete real-time reporting and comprehensive performance analytics that offer actionable insights to identify bottlenecks. View system performance and identify problems with APM integrations, to address peak performance demands of applications and meet application resiliency.

Key Features

- **One hundred percent open source compatible.** CA BlazeMeter complements, rather than constrains, open source tools. Provide your teams with flexibility to leverage tests from popular open source tools such as JMeter, Selenium, Grinder, Gatling, and Locust with 100% compatibility. Better yet, all your team to specify test as code in a domain specific language (DSL).
- **One single integrated tool.** CA BlazeMeter is super easy to use with no coding required. Simply upload your existing scripts, configure tests in an intuitive GUI, and just run it. Execute and manage hundreds of tests, large or small. Test apps, web services, mobile apps for microservices, and APIs for every build. Get instant feedback and integration with popular CI tools such as Jenkins, Bamboo, CircleCI, TeamCity, and more. Performance test every build at every stage in the delivery pipeline.



Solutions Overview (cont.)

CA BlazeMeter democratizes performance testing across multiple dedicated workspaces. Now distributed teams across the business have access at any stage of the software lifecycle to create and execute massive-scale load tests. You can execute a load test of more than 10 million geographically dispersed virtual users in minutes, drag-and-drop with zero platform dependencies, and load-and-go using an intuitive self-service portal. Plus there is no proprietary language to learn.

CA BlazeMeter uses existing Selenium tests to drive load traffic from real browsers through the same interactions that actual users would. By combining Selenium tests with popular open-source Apache JMeter tests, teams now have more thorough performance scenarios. These scenarios exercise the back-end, front-end, web, and mobile components of their applications. DevOps integrations allow for accelerating test automation for continuous quality across the CI/CD pipeline.

Critical Differentiators

Find frictionless open source support. Open source tools have vibrant communities that continuously add and update features to meet users' needs. CA BlazeMeter compliments rather than constrains the use of open source tools by providing the flexibility to leverage tests from popular open source tools, such as JMeter, Selenium, Grinder, Gatling, and Locust. CA BlazeMeter allows specifying tests in a domain specific language (DSL), in a JSON or YAML format.

Integrate API and load testing. Running large scale performance tests is no easy feat with legacy tools. Legacy tools require you to pay high software licensing fees, set up performance testing labs, procure adequate numbers of virtual user licenses, and secure testing time slots. Many legacy tools still use a Windows based IDE. CA BlazeMeter is a modern, browser-based, cross-platform SaaS solution. Use CA BlazeMeter's DevOps integrations and plug-ins for CI tools to continuously accelerate your test automation across the CI/CD pipeline.

Key Features (cont.)

- **Flexibility to execute locally and at scale.** CA BlazeMeter gives you the flexibility that you need. Test on one local machine or simulate massive traffic for 10 million (or more) virtual users across various geographical regions while dynamically modeling load profiles with built-in network emulation.
- **SaaS and private cloud capable.** With CA BlazeMeter, you can run tests both from inside and outside of the firewall. You get all the latest product features and benefits of a SaaS solution, while you keep sensitive data private as your data never leaves your internal network.
- **Comprehensive online reporting.** CA BlazeMeter's rich reporting empowers you to collaborate with global teams on test creation and execution. Analyze test results and KPIs. Manage workspaces and assign permissions to provide a 360-degree view into your application performance. Use trend, summary, and executive reporting to correlate application load test metrics with popular APM tools such as CA Runscope®, CA APM®, and NewRelic, Amazon CloudWatch, AppDynamics, and Dynatrace.

Critical Differentiators (cont.)

Easily create, maintain, and reuse scripts. Legacy tools require proprietary scripting languages and require specialized teams. Modern software teams prefer open-source tools that can be accessed from native integrated development environments (IDE). Developers want build-test scenarios in a language of their choice, and to execute automated tests for instant feedback directly from their local machines. Without leaving their favorite development tool, teams that use CA BlazeMeter can execute and edit scoped tests. They can create and fine-tune tests directly from the command line of their local machines before they commit code to a repository. In addition, CA BlazeMeter offers a Chrome plug-in that enables users to record browser activity without even installing JMeter.

Scale tests securely in a SaaS private cloud. Most legacy performance testing tools are either exclusively on-premise or they offer a web interface that is ***bolted on*** to their platform. CA BlazeMeter is a ***born in the cloud*** platform that gives you the flexibility to run tests from inside or outside the firewall, over a world class enterprise-ready network. With CA BlazeMeter, you can enjoy the high availability of SaaS and the latest product features for testing CoEs: Bridge and broker test resources. Keep sensitive data from ever leaving your internal network. Reuse scripts for regression testing in dedicated project workspaces. Easily scale for performance tests. Instantly execute massive load tests to 10

million virtual users for multiple distributed projects.

Collaborate and share insights.

Who needs legacy platforms that can only be installed and run on a PC? CA BlazeMeter supports team collaboration by providing web-based access to project workspaces with drill-down tests and reports. Advanced reporting helps teams analyze test results and share reports among members and executives. Secure a complete application performance picture by correlating load test metrics with popular application performance management tools such as CA Runscope, CA APM, NewRelic, Amazon CloudWatch, AppDynamics, and Dynatrace.

Shift left and democratize testing for agile teams

As agile software development, continuous integration, and continuous delivery gain traction, performance testing is becoming democratized. Democratized testing means more testing and greater coverage. CA BlazeMeter is the first developer-friendly load-testing solution suitable for managing performance testing across the pipeline. Performance engineers and DevOps practitioners now have an easy-to-use performance testing solution that offers on-demand load testing from anywhere. With integrations across CA solutions and external tools, CA BlazeMeter puts the power of test automation in your hands to continuously deliver new innovations to market, and drive exceptional customer experiences. To get started, visit blazemeter.com to request your demo.