SAUCE PERFORMANCE

Sauce Performance provides a single solution for both front-end functional and front-end performance metrics using Selenium test automation scripts, eliminating multi-tool complexity and improving developer productivity.

Sauce Performance helps developer and QA organizations enhance and maintain the user experience of their apps with detailed front-end performance metrics and the ability to capture and address regressions early in the delivery pipeline as part of CI/CD. Eliminate costly delays without having to create new scripts or deploy new infrastructure.

FRONT-END PERFORMANCE TESTING SHIFTS LEFT

For many development teams, application performance testing is done late in the software development lifecycle (SDLC), causing extensive rework when issues are found. While performance testing on the front-end is typically not performed at all or is limited to 3rd party load/stress testing or application performance monitoring (APM) solutions. This means teams are putting time and effort into maintaining separate tools and test suites that provide a limited view of the user experience once the application goes live.

Sauce Performance automatically sets performance baselines and utilizes Machine Learning to capture and address regressions as soon as they occur. By identifying performance issues early in the delivery pipeline, developers have insight into both front-end performance and front-end functional issues, providing a more complete view of their test environment and the quality of their apps.

FUNCTIONAL TESTING & PERFORMANCE TESTING BENEFITS

CLI Tools & Framework Integrations

Easily run performance tests using our CLI tool and quickly compare application performance against established baselines.

Front-End Audit & History

Understand your end-user experience by capturing metrics such as Time to First Meaningful Paint, Time to First Interactive, Page Load, Speed Index, and much more.

Algorithmic Baselines

Capture application performance metrics and automatically discover true regressions.

Quickly Debug Discovered Issues

Use trace data and film strip as the ultimate debugging log to pinpoint the root cause of performance issues.

Custom Test Commands

Extend the value of functional tests with the ability to compare application performance against established baselines.

SAUCE LABS

HOW IT WORKS

By using Sauce Performance, users can start establishing the performance baseline for their core user experience metrics. During each test, Sauce Performance will create a report and establish baselines for each URL under test. The resulting audit provides visibility into any issues affecting the way the page was loaded and identifies which requests and processes contributed to the page load time.
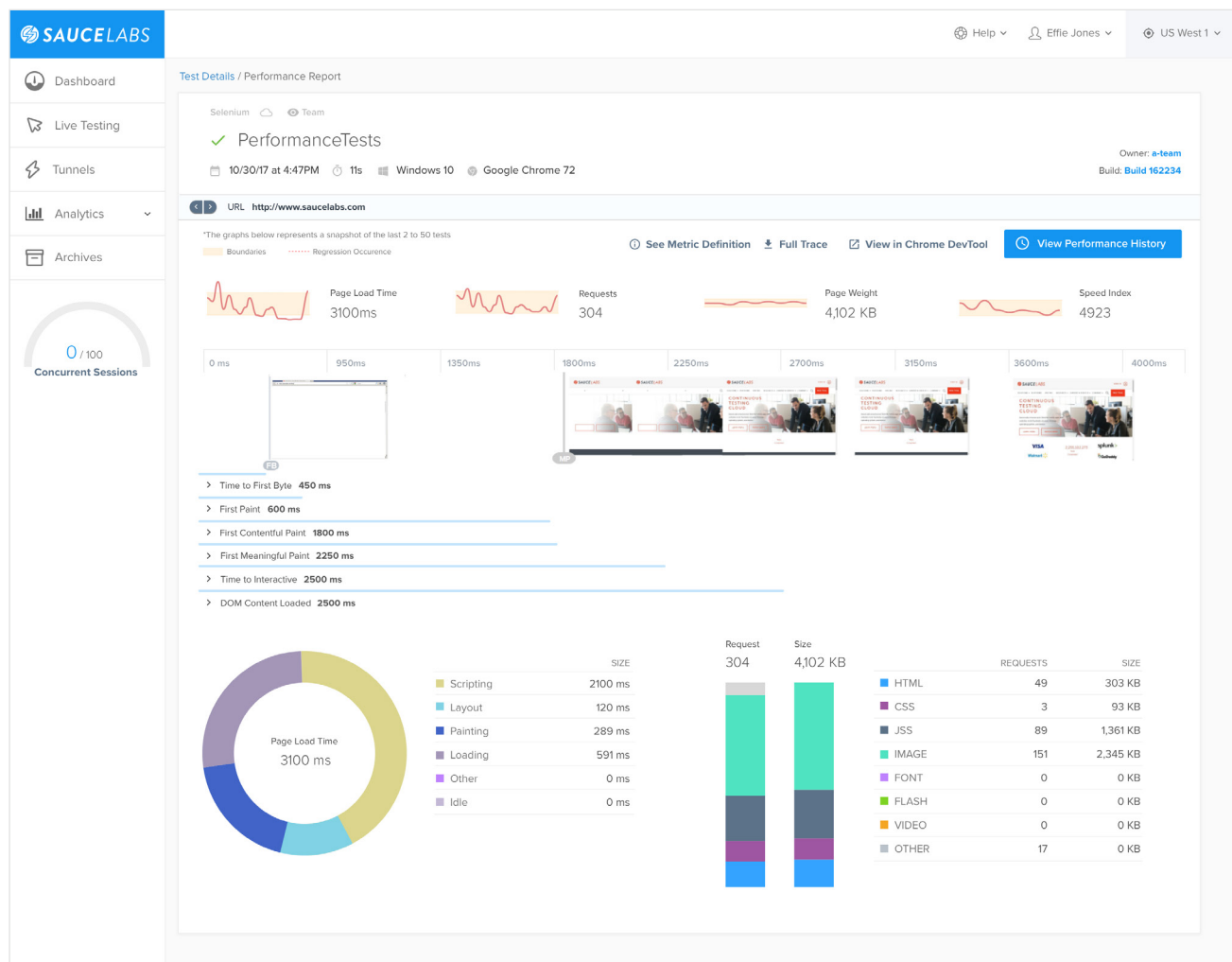
KEY PERFORMANCE METRICS

Sauce Performance provides key performance metrics to ensure the application under test performs as planned.

Metrics such as:

Core Metrics	Description
Page Load Time	Indicates when the page was completely loaded
Speed Index Score	Visual completeness of the page as defined by Google
Time to First Byte	The amount of time it takes before the first byte of response is received from the server, relevant application caches, or a local resource
Time to First Meaningful Paint	A browser-supplied metric that measures how long it takes for the most meaningful content to be fully rendered on the site. This is the first time users can start consuming page content
Time to First Interactive	The number of seconds from the time the navigation started until the layout is stabilized, web fonts are visible, and the page is responsive to user input
Performance Score	Weighted average of performance metrics. Helps users track team progress
Time to CPU Idle	How long it takes for the CPU to process all of the page information
Estimated Input Latency	Input responsiveness is a key factor in how users perceive the performance of your application

In addition to the metrics above, Sauce Performance also captures **Number of Requests, Dom Content Loaded and Page Weight.**

SAUCELABS

FIGURE 1

GET GOING WITH SAUCE PERFORMANCE

Why wait to tackle app performance and degradation at the end of the development cycle, sign up for a free trial of Sauce Labs and start shifting front-end performance testing left today...with Sauce Performance. If you're an existing customer, please contact your Customer Success Manager to activate the feature.