

# TEST ANALYTICS

## **SPEED TEST VELOCITY WITH DATA-DRIVEN INSIGHTS**

Test Analytics provides real-time visibility into your tests across teams, platforms and applications. This improves your efficiency by quickly identifying bottlenecks and high-impact quality issues. By highlighting tests that are slow and error-prone, Test Analytics helps identify what to fix first so you can ultimately release better software faster.

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### TESTING VISIBILITY AND INSIGHTS

Test, analyze, debug, repeat. One of the most frustrating parts of the development process is understanding where to start debugging your code. Test Analytics displays test results so you can view test trends across your organization, troubleshoot individual tests faster and improve the efficiency of your testing. View trends, identify flaky tests and quickly see if you are meeting your quality KPIs. Test data is analyzed and displayed in real time with proactive suggestions as to what to fix first - such as on which platforms tests fail most often - and highlights critical data such as which tests ran longest, errored out or pass inconsistently. The result is you can spend less time analyzing issues, focus on fixing the most critical bugs and release faster.

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### BENEFITS

#### **Visualize Test Results**

Test Trends provides visual test results across key metrics such as - Pass/Fail Rate, Error Rate, # of tests & concurrency to determine release readiness. Increased visibility of test coverage and success trends help you decide if your apps are release ready and if you are utilizing your testing assets efficiently.

#### **Find test, team and release blockers**

View test trends across all metrics such as teams, build or application, platform or browser and regression or smoke test. Quickly determine which individuals, teams, tests, platforms cause the most issues so you can focus resources to correct them. Easily compare quality across different teams in your organization.

#### **Know what to fix first**

The Test Overview dashboard visually indicates your highest impact issues, helping you determine what to fix first. The KPI Dashboard provides actionable insights on platforms with the highest failure, error rate details on teams that use the highest or lowest concurrency, and your slowest tests and builds.

## Identify Flaky Tests

Test History shows you pass / fail trends of an individual test to determine flakiness. View a test's performance over a 30-day time period across key metrics such as error rate, failure rate and run time changes. Quickly identify root-cause issues to reduce time spent in troubleshooting failures.

## Test efficiency

View build efficiency to evaluate if your teams are maximizing their parallelization to test faster. Understand how many builds are sequential, semi-parallel, and parallel so you can optimize your tests to minimize test times.

## Interactive Visualization

Zoom into the data to drill down to 5 second granularity through an intuitive click-and-drag UI, or zoom out to a 30-day interval, so you can compare test trends from the last couple of sprints down to an individual test. Use our filters to quickly identify teams, browsers, applications and builds that are causing issues that slow your releases.

## Real-time data

Instant access to test information enables testers to quickly identify issues and address them fast. No more waiting to run reports at the end of the day; you get the data you need to address test issues, immediately in easy-to-understand visualizations.

## REST API

Increase organizational visibility to compare test trends by extracting the data and viewing in your in-house quality dashboards. Easily compare test trends with other data across all the quality metrics you collect.

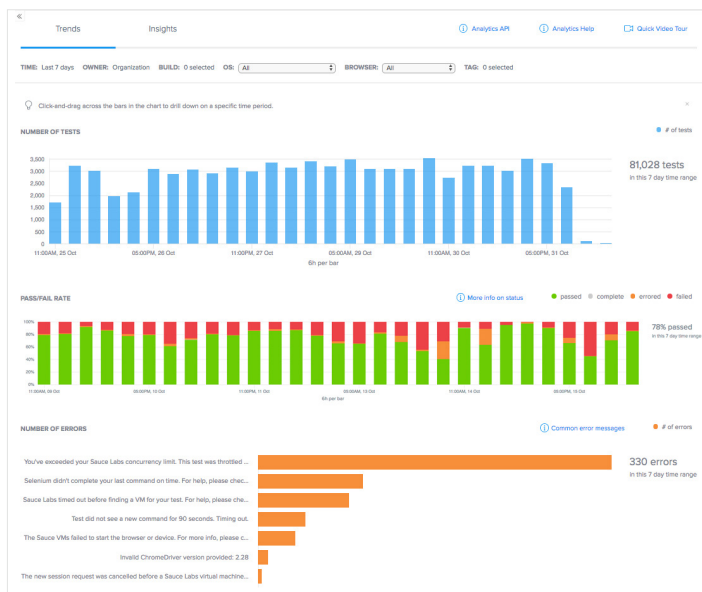


Figure 1  
The Test Trends Dashboard helps you visualize the pass / fail rate of all tests. You can sort results by team, browser, owner, time period and review a summary of the major errors.

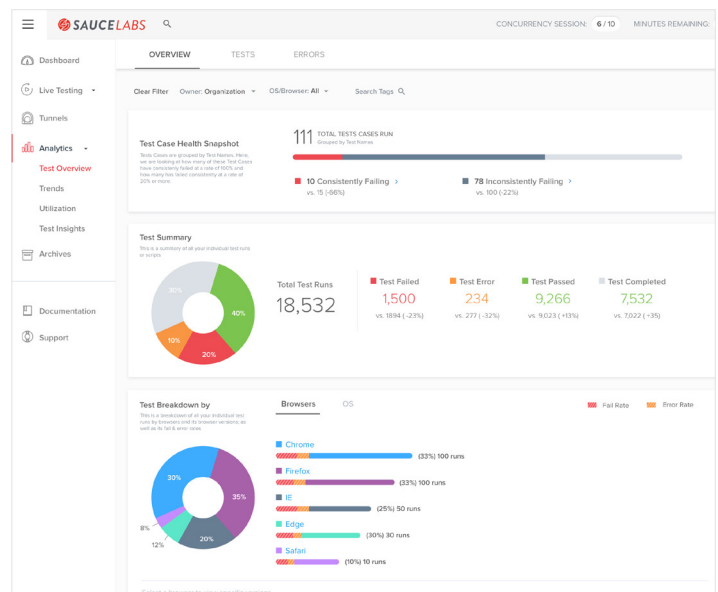


Figure 2  
The Overview Dashboard visually indicates your highest impact issues helping you determine what to fix first and provides actionable insights on platforms with the highest failure rate.