

Sauce AI for Insights

Engineering and QA teams are grappling with the immense pressure to accelerate software development while navigating unprecedented complexity.

Overwhelmed by high release velocity, fragmented coverage, and massive volumes of automated test results.

Stuck in a cycle of reactivity and bogged down by frustrating manual and time-consuming analysis that leads to slower releases and more escaped defects.

This only grows worse as the industry shifts left, forcing developers to handle data complexity without the tools they need to generate true software quality intelligence.

At Sauce Labs, we understand how overwhelming test data can be. For nearly two decades, we have helped the world's leading organizations release with confidence by making testing more reliable and scalable. With over 8+bn tests performed and 300,000 active users, our approach to your testing challenges is simple. Powered by Sauce Labs' secure and compliant platform, Sauce AI upholds the same standards of security, governance and reliability trusted by the world's leading brands.

A Foundation for Quality:

Begin with our unified platform, which provides comprehensive data from every stage of the software development lifecycle.

The Sauce AI Layer:

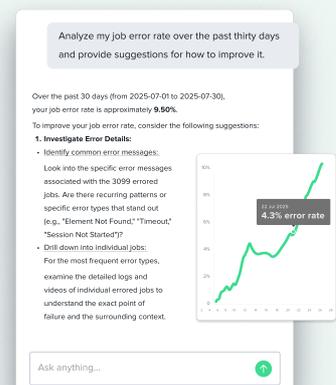
Add on the Sauce AI Agents, like Sauce AI for Insights. This dedicated AI agent transforms testing data into what engineering teams actually need: Quality intelligence.

Sauce AI for Insights delivers real-time, actionable results to help spot issues faster and release with confidence. Through its conversational AI interface, anyone—developer, tester, or QA lead— can perform intelligent failure analysis without digging through logs or dashboards. Ask questions like, "Which tests are newly failing?" and get clear, context-aware answers complete with supporting visualizations and direct links to relevant test cases, so you determine the root cause faster. With no setup or configuration required.

Cut through the data noise and take control of your release cycle.

Interact with your test data in a new way and discover the insights you've been missing.

Sauce AI for Insights converts raw test data from a burden into a significant competitive advantage. This empowers teams to achieve faster releases, enhance operational efficiency, and deliver more stable applications, helping you avoid the pain of slower releases and more escaped defects.



Sauce AI for Insights Benefits

Faster Decision Making

Sauce AI for Insights provides you with accurate, critical insights in real time, leading to a significant acceleration in release readiness assessments. This ensures you make quick, informed decisions, avoid delays, and optimize resource allocation.

Boost Engineering Efficiency

Say goodbye to tedious manual analysis! Sauce AI for Insights enables up to 99% faster identification of root causes and dramatically cuts debugging time from hours to minutes. Your valuable engineering resources are freed up, and you reclaim thousands of engineering hours per team per month.

Increase Velocity of Innovation

Ready to ship faster? Sauce AI for Insights accelerates releases and boosts operational efficiency. This means your organization can bring new features and products to market with greater agility, maintaining that crucial competitive edge.

Strengthen Risk Management

Delivering reliable, high-quality software is key to managing risk. Through real-time identification, Sauce AI for Insights addresses potential issues early, significantly reducing defects in production and enhancing the user experience.

Implement "Shift Left" strategy

As quality responsibility moves to developers and non-QA teams, Sauce AI for Insights bridges this gap. It enables the democratization of quality insights across technical and non-technical members and improves collaboration between QA, development, and leadership teams, reducing rework and speeding up releases.

Use Cases

USE CASE:

QA MANAGER

As QA leader, I need a comprehensive summary of trends and metrics to assess testing suite quality. I need to achieve faster release readiness decisions, proactively address risks, and clearly communicate quality status to my stakeholders.

"Give me a summary of the last 10 builds"

8/10 builds passed successfully

Failures concentrated on **iOS 16.2 Safari** and **Android 13 Chrome**

Flakiest test: checkout-flow.spec.js (failed 4 of the last 10 builds)

Overall pass rate **92% (up 3% from last sprint)**

- ✓ Ship faster without sacrificing quality
- ✓ Faster decision-making with more confidence
- ✓ Reduced time on static dashboards and spreadsheets

USE CASE:

DEVELOPER

As a developer, I need instant answers for why my build failed so that I can fix issues faster, 4stay unblocked, and keep delivering code without wasting my time with a manual log search.

"Why did my last build fail?"

7/12 failures occurred only on iOS 16.4

Build #722 failed due to **timeout errors** in payment-gateway.spec.js.

Probable cause: slow API response from staging payments service

Recommendation: Retry with update service config or mock API

- ✓ Gain actionable insights
- ✓ Less time digging through logs and APIs
- ✓ Quickly unlock builds with instant root cause explanation

USE CASE:

SDET

As a SDET, I need to quickly identify the flakiest test and recurring failures so that I can stabilize the test suite, reduce false positives, and increase our trust in automation.

"What are the flakiest test this week?"

cart-update.spec.js— failed 4/10 runs, mostly on Android Chrome

profile-settings.spec.js— failed inconsistently, 50% pass rate across devices

Recommendation: Investigate test setup for unstable locators and environment-specific dependencies

- ✓ Identify and resolve tests faster
- ✓ Improve automation suite stability and reduce noise
- ✓ Reduce effort and time in failure triage and focus more on building reliable tests

Gain actionable insights into:

Test Summary:

Identify flaky tests and performance issues to determine if failures are systemic or isolated, ultimately gaining data-driven insights to increase confidence.

Device Coverage:

Reduce complexity in test planning by validating coverage and gain recommendations on what devices to add or drop to optimize the test suite.

Most Failing Devices:

Identify cross-cutting device issues and shared root causes to prioritize scalable fixes and inform your device-specific debugging and QA focus.

Failure Analysis:

Perform intelligent failure analysis at every level — from suite-wide trends down to individual job data. Sauce AI parses job-level commands, errors, and telemetry to deliver instant root cause analysis — classifying failures and suggesting fixes automatically.

Visual Builds:

Examine view builds, duration, and both new and recurring visual differences to easily assess the health of the testing suite and ensure the application is visually correct.

Flakiest Test Cases Interface:

Pinpoint unstable tests and clean up pipelines, allowing your teams to focus on legitimate bugs rather than grappling with unpredictable test results. Turn hours of investigating flaky test issues to minutes.

Automated Builds:

Understand where and why builds are failing and if there's a recurring pattern.. Sauce AI Insights will track these build failure trends over time to ensure the stability of the application.

Key Capabilities



Conversational Interface:

Ask questions in natural language, like "Why did my test fail?"



Rich and Concise Responses:

Receive actionable insights such as "This test failed due to a recent API change in check-out service.js"



Rich Outputs

Go beyond plain text with charts and links that provide a deeper understanding of test results



Context-Aware Insights

Get the insights you need; analyze overall trends, check device coverage, or investigate recent failures.

Compliance and Security

- Built from the ground up with enterprise-grade security and compliance controls.
- No customer data is used to train or improve our AI model
- Sauce AI for Insights offers full transparency into data collection and processing methods, allowing you to ask about how data was processed.



Learn about our security and privacy practices from our [Trust Center](#).

Take control of your release cycles and cut through the data noise.

Start engaging with your test data today to uncover the insights you've been missing.

[Schedule a conversation](#)

VIRTUAL DEVICE CLOUD



REAL DEVICE CLOUD



SAUCE VISUAL



MOBILE APP DISTRIBUTION



CRASH & ERROR REPORTING



ADVISORY SERVICES

