LAMBDATEST

How Boomi Achieved 78% Faster Testing Cycles with HyperExecute

Success Metrics

78% Faster Test Execution

3x More Test Coverage

7 Hours Saved per Test Cycle

Industry
iPaaS (Integration Platform as a Service)

Location
United States

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Company Profile

A leading cloud-based Intelligent Integration service and solutions provider, helping organizations connect applications, data, and processes across hybrid environments.

- Trusted by over 20,000 global customers, including Fortune 500
- Named a Leader in the 2025 Gartner® Magic Quadrant™ for iPaaS for the 11th consecutive time.

About The Company: Generations Of Securing Financial Futures

Boomi, headquartered in Conshohocken, Pennsylvania, is the leader in AI-driven automation, enabling organizations worldwide to connect everything, automate processes, and accelerate outcomes. The Boomi Enterprise Platform — including Boomi Agentstudio — unifies integration and automation along with data, API, and AI agent management, in a single, comprehensive solution. Trusted by over 23,000 customers and supported by a network of 800+ partners, Boomi is driving agentic transformation, helping enterprises of all sizes achieve agility, efficiency, and innovation at scale.

> My team and I established a 10-point criteria for selecting a new solution, with a strict set of requirements to ensure we chose the right orchestration solution for our tests to fit our needs. Based on these criteria, we evaluated several vendors. LambdaTest scored higher on all 10 criteria, which led us to choose them as our solution.
>
> **- Hrishi Potdar, Quality Engineering Architect, Boomi**

At a glance

Industry :
iPaaS (Integration Platform as a Service)

Challenge :
As Boomi's business expanded through acquisitions, the need for robust infrastructure to manage its increasing test base became critical. The existing in-house infrastructure proved to be a bottleneck, and the open-source plugin reached the limits of its upgrade cycle, making cloud-based orchestration solutions an inevitable consideration.

Location :
United States

Key Highlight :
HyperExecute (the next-gen test cloud by LambdaTest) emerged as Boomi's cloud testing solution of choice after a thorough evaluation. HyperExecute has been running 24/7 tests on the cloud for Boomi since 2023.

Solution Used :
HyperExecute ⧉
AI-Native Test Intelligence ⧉
AI-Native Test Analytics ⧉

Boomi Breaks Free from Testing Constraints with HyperExecute

Boomi selected LambdaTest's HyperExecute because it wasn't just another cloud testing tool. It was a next-gen solution ahead of traditional automation platforms.

HyperExecute's AI-native orchestration is up to 70% faster and outperforms legacy cloud testing platforms. For Boomi, it was no longer only about scalability but also performance.

With HyperExecute, Boomi found a cloud solution that redefined testing, enabling faster scaling and execution. Here's how it played out.

7+ Hours Freed Up in Every Testing Cycle at Boomi

Boomi's internal test execution, while initially functional, eventually reached its operational limits. Consequently, updates became progressively challenging, and operational interruptions occurred with increased frequency. This presented a significant bottleneck, impeding the expansion of the test base. The complete test base required approximately 9.5 hours to execute, further delaying overall progress.

> "Imagine running the entire test base overnight for **9.5 hours**, only for external factors to interfere with the results, far beyond the bugs we were trying to catch.
> Restarts due to interruptions added additional executions, delaying build and CI/CD cycles." -
> Hrishi Potdar, Quality Engineering Architect, Boomi

After switching to HyperExecute, Boomi saw an immediate improvement in execution time.

The first few tests ran in less than 4 hours initially.

Further optimizations, such as modularization of tests, dynamic data creation etc, brought the test execution time down to just **2 hours**, resulting in **78%** faster execution on the cloud.

Now, Boomi runs **3x more tests** with LambdaTest, further increasing testing capacity and efficiency. The reduced execution time led to faster feedback loops and smoother CI/CD processes, ultimately accelerating the development cycle.

Note: Boomi also has thousands of API and runtime related tests besides UI automation.

> "We have **tripled our tests** and are now executing tests in less than **2 hours**.
>
> We still know we can further optimize orchestrations and refactor some old legacy tests, and aim to **execute them in around 1 hour**.
>
> I consider that one of our biggest achievements for UI automation with HyperExecute in terms of numbers and overall improvement." - Hrishi Potdar, Quality Engineering Architect, Boomi

Tackling Test Flakiness with Stable Infrastructure

Due to software and hardware limitations, tests can be prone to flakiness at times. Intermittent failures occurred because of issues unrelated to the codebase, such as infrastructure instability.

After switching to LambdaTest, the team experienced not only faster execution times but also a significant reduction in test flakiness. LambdaTest's AI-native tools played a pivotal role in identifying flaky tests and uncovering the root causes of these intermittent failures.

This capability was crucial in enhancing test reliability and minimizing false positives, ultimately improving Boomi's testing process quality.

> "We were able to eliminate test flakiness because, as I mentioned, it's not just one factor. There's the test itself, the supporting data, and the infrastructure that the tests rely on. With LambdaTest, all of these aspects were optimized, enabling a much smoother and more reliable testing process." - **Hrishi Potdar, Quality Engineering Architect, Boomi**

LambdaTest's AI-Native Test Analytics and Test Intelligence enhanced Boomi's test observability, offering real-time insights into test performance and outcomes.

Boomi proactively anticipated and addressed potential issues, utilizing AI-native features such as **error categorization, flakiness detection, auto-healing, and faster anomaly detection that** worked behind the scenes to provide real-time insights and solutions.

> "AI, of course, worked behind the scenes, and some of these features began to surface. We started leveraging them one at a time. We found them useful for identifying flakiness in tests, pinpointing problematic areas within the frameworks, and gaining insights into issues like tests taking too long to execute, performance bottlenecks, etc."
> - Hrishi Potdar, Quality Engineering Architect, Boomi

Faster Developer Feedback Time and Centralized Reporting

Earlier, developers faced feedback delays, and scattered, isolated reporting made debugging inefficient, requiring sifting through lengthy logs to find test failures.

This resulted in a complex workflow.

However, with the new unified system, feedback is now available within an hour or two, or even dynamically as soon as the test finishes running.

This quick turnaround has significantly improved efficiency for both development and QA teams, enabling them to address issues much faster.

With over 650+ developers and QA team members globally, everyone is now connected to the dashboards. These dashboards provide real-time visibility into test cases running behind the scenes, giving teams first-hand access to their results.

> "One of the biggest advantages this platform brought us is the reporting aspect. When it comes to reporting test cases, it's really important to get that feedback sooner. And of course, we don't have to wait nine hours anymore.
>
> I think that's where LambdaTest helped a lot." — Hrishi Potdar, Quality Engineering Architect, Boomi

Boomi ensured key stakeholders had immediate access to up-to-date data. The daily insights helped guide decision-making and kept the organization aligned with delivery goals. This advancement replaced the previous approach, where there was no in-house reporting software to provide such insights.

LambdaTest also helped with the extraction of test results via APIs, allowing Boomi to generate detailed reports and automatically share insights with key stakeholders. These insights were then emailed to seniors, providing them with up-to-date test data.

> "We were able to deliver these insights to our stakeholders daily, giving them a real-time view of where the organization stands in terms of delivery. This daily feedback becomes the heartbeat of our organization, guiding key decisions and ensuring we stay on track."
> — Hrishi Potdar, Quality Engineering Architect, Boomi

Integrating Their Existing Test Frameworks on One Platform

The organization initially used Selenium-based frameworks for testing.

As the company grew and acquired organizations, new frameworks like Cypress, Playwright, and custom frameworks were introduced, making management increasingly complex.

One of the main criteria for switching to LambdaTest was that all these frameworks, along with the in-house developed test framework, should be easily portable and executable on the new solution.

Easy integration with the existing setup was crucial to ensure seamless transition.

Image Source : Microsoft Future Ready Event

“

LambdaTest is creating that next level of efficiency around test automation so that people can actually focus on testing versus test orchestration.”

Satya Nadella, CEO, Microsoft

Complete Infrastructure Control for Boomi, Using HyperExecute

With LambdaTest, Boomi now has full control over the test orchestration solution characteristics, ensuring it always matches the exact configuration needed.

No third-party factors interfere with test cases. What Boomi designs and configures is precisely what they get.

If a test fails, the issue can now be confidently attributed to the test itself, eliminating confusion caused by multiple infrastructure-related problems in the past.

> "We trust LambdaTest infrastructure, we trust our tests, and we have the baselines. When we compare them, we immediately know if something is wrong.
> Now, we worry less about the infrastructure and focus more on our tests." - **Hrishi Potdar, Quality Engineering Architect, Boomi**

The flexibility of LambdaTest's orchestration solution has been a major benefit,
enhanced by advanced features such as:

- Test Splitting and Multiplexing
- Auto retries of failed tests
- FailFast
- Jobs Prioritization
- Auto Healing
- Test Muting
- Task Metrics

These capabilities have enabled Boomi to orchestrate test execution efficiently, maximizing parallel execution, reducing downtime, and providing deep insights for better decision-making.

> "I believe that flexibility was a huge benefit, allowing everything to run on an orchestration solution like LambdaTest. Teams no longer have to depend on each other to execute their tests.
>
> Thanks to HyperExecute's ability to distribute and execute them efficiently."- **Hrishi Potdar, Quality Engineering Architect, Boomi**

CI/CD at Scale with Zero Infrastructure Worries

Another of the key metrics that improved after switching to HyperExecute was unblocking all the CI/CD pipelines, which had previously been held back by a single source of in-house infrastructure.

This new level of control and reliability allowed Boomi to focus less on infrastructure concerns and more on optimizing their tests. By guaranteeing that each test run would match the configured setup, LambdaTest removed the unpredictability often associated with infrastructure issues. LambdaTest has 120+ integrations across every major CI/CD product out there, ensuring seamless integration with their existing workflows.

This has been one of the biggest advantages, as per Hrishi. In terms of numbers, Boomi now runs tests 24/7, something that wasn't the case three years ago. Today, builds run continuously, with LambdaTest integrations active around the clock.

> "If I look at 2025 so far, the Boomi team has already executed around 2 million tests on LambdaTest, with 99% accuracy. That's a huge number to highlight, showing how many builds have been executed and the scale we're operating at." - **Hrishi Potdar, Quality Engineering Architect, Boomi**

Custom Product Design and Features for Boomi in Partnership with LambdaTest

Boomi's partnership with LambdaTest went beyond adopting an out-of-the-box solution. It involved designing custom features to meet Boomi's specific needs. LambdaTest collaborated closely with Boomi to optimize the platform, enabling full utilization of its capabilities.

The ability to customize features addressed immediate needs and also laid the foundation for continuous improvements, making the collaboration with LambdaTest one of the most valuable aspects of Boomi's testing transformation.

> "One of the best design partnerships we had was with LambdaTest, where we improved visibility and added deeper insights to the data generated from test executions.
>
> That was a big deal."- Hrishi Potdar, Quality Engineering Architect, Boomi

Continuous Improvement & Future Goals

Despite these significant improvements, Boomi continues to optimize its testing processes. With LambdaTest's flexible and scalable cloud-based automation test platform, the company has set its sights on further reducing test execution times and improving test efficiency.

- **Further Reduction in Testing Time:** Boomi plans to achieve its goal of reducing testing cycles to **1 hour**, further enhancing its ability to release software quickly.

- **Expanded Use of AI:** Boomi is excited to continue exploring LambdaTest's AI-native features, such as AI-driven test script generation and test optimization, to streamline its test creation process and improve test accuracy.

> "One of the best design partnerships we had was with LambdaTest, where we improved visibility and added deeper insights to the data generated from test executions.
> That was a big deal."
> - Hrishi Potdar, Quality Engineering Architect, Boomi

How Would You Define Boomi's Partnership with LambdaTest?

Every organization endeavors to achieve seamless test execution, where all test cases pass and all builds run smoothly, akin to desiring a completely favorable outcome. However, when stakeholders examine the results, their focus gravitates towards critical 'Go' or 'No Go' decisions where clarity and efficiency are paramount. A RED test constitutes a significant concern, irrespective of the cause for the failure.

> The partnership with LambdaTest has become a 'Silsile'—a bond that began three years ago. This partnership directly addresses the challenge of achieving the seamless green execution that stakeholders demand. Together, we've removed the obstacles that once caused those red flags, ensuring everything runs like blooming flowers—representing success across the board"
> - Hrishi Potdar, Quality Engineering Architect, Boomi
> Hrishi draws an analogy to describe the relationship between his team and LambdaTest, inspired by his favourite Bollywood song from Silsile.

See HyperExecute in action. Book a demo with LambdaTest and discover how to achieve Boomi's results: 78% faster testing, 7 hours saved, and 3x more test coverage.

About LambdaTest

LambdaTest is an AI-Native test orchestration and execution platform that allows developers test intelligently and ship faster. Over 10,000+ customers and 2 million+ users across 132 countries rely on LambdaTest for their testing needs.

1.2 Bn+
Tests

2M+
Users

10K+
Enterprises

132
Countires

Exploratory Testing

Enhance web and app quality to ensure seamless user experience with real-time, live, exploratory testing on 5000+ devices.

KaneAI

Boost testing efficiency with an AI platform that uses natural language to create, debug and evolve tests.

Test Manager

Streamline test creation, management, & reporting for improved efficiency with a unified Test Manager.

Automation Cloud

Accelerate product releases with secure, scalable, end-to-end test automation in the cloud.

Real Device Cloud

Test on 5000+ real Android and iOS devices, cutting costs while ensuring compatibility and responsiveness.

HyperExecute

Accelerate testing speed by 70% with AI-Native orchestration for faster digital transformation

Accessibility Testing

Ensure inclusive, accessible websites with LambdaTest's manual and automated Accessibility Testing tool.

Visual UI Regression

Achieve UI perfection quickly with AI-Native visual regression testing across all platforms.

LAMBDATEST | TEST INTELLIGENTLY. SHIP FASTER.

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