

Dashlane Switched to HyperExecute and found a Test Orchestration Platform that reduced their Test Execution Time by 50%

About Dashlane

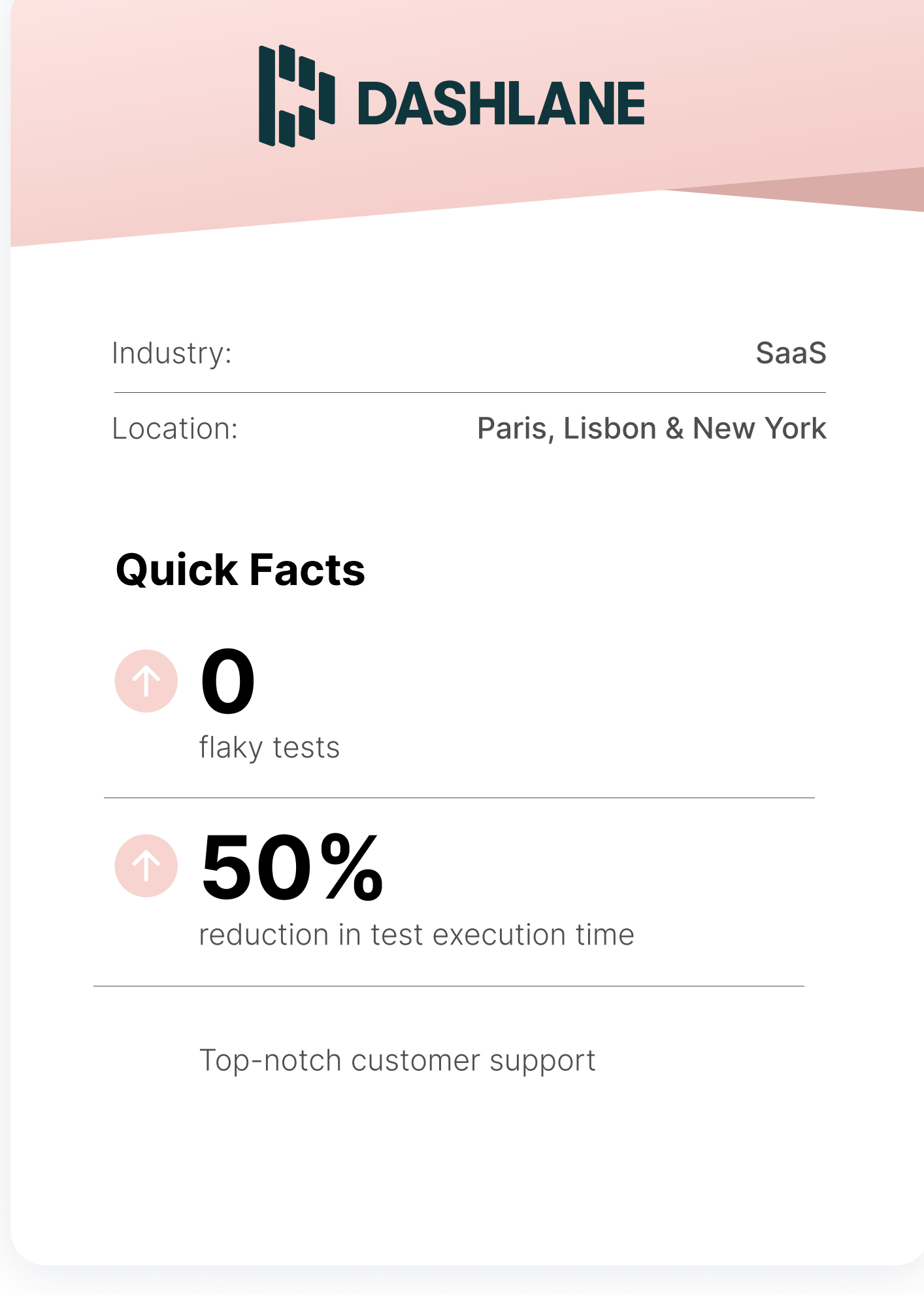
Dashlane's mission is to make security simple for millions of organizations and their people. We empower businesses of every size to protect company and employee data while helping everyone easily log in to the accounts they need—anytime, anywhere. Over 17 million users and 20,000 businesses in 180 countries use Dashlane for a faster, simpler, and more secure internet.

Problem Statement

The team consisted of 40 quality engineers in Dashlane and had initially set up an in-house testing infrastructure for all their testing needs. However, maintaining the infrastructure took a lot of resources and time. Though they were not very comfortable opting for a third-party cloud platform for their testing needs, they finally decided it was better to utilize a platform to provide them with the infrastructure rather than create one in-house, thereby saving both their resources and time.

They wanted to adopt shift-left architecture. They wanted to introduce the UI tests to be run along with the development roadmap. So they had developed a pipeline where, for each commit, they ran the smoke tests, and for each merge to master their regression tests were run, and then the multi-browser tests during nightly run.

Opting for the right tool was essential, or the quality engineers would have wasted their time maintaining the tests and working around the tool.



Evaluating Solutions

Dashlane had a checklist of all their testing requirements which included

- SSL
- Automation support
- Mobile Platform support
- Real Device support
- Parallel Test support
- Cypress support
- Visual Regression Test support
- Customer support
- Last but not least - The cost

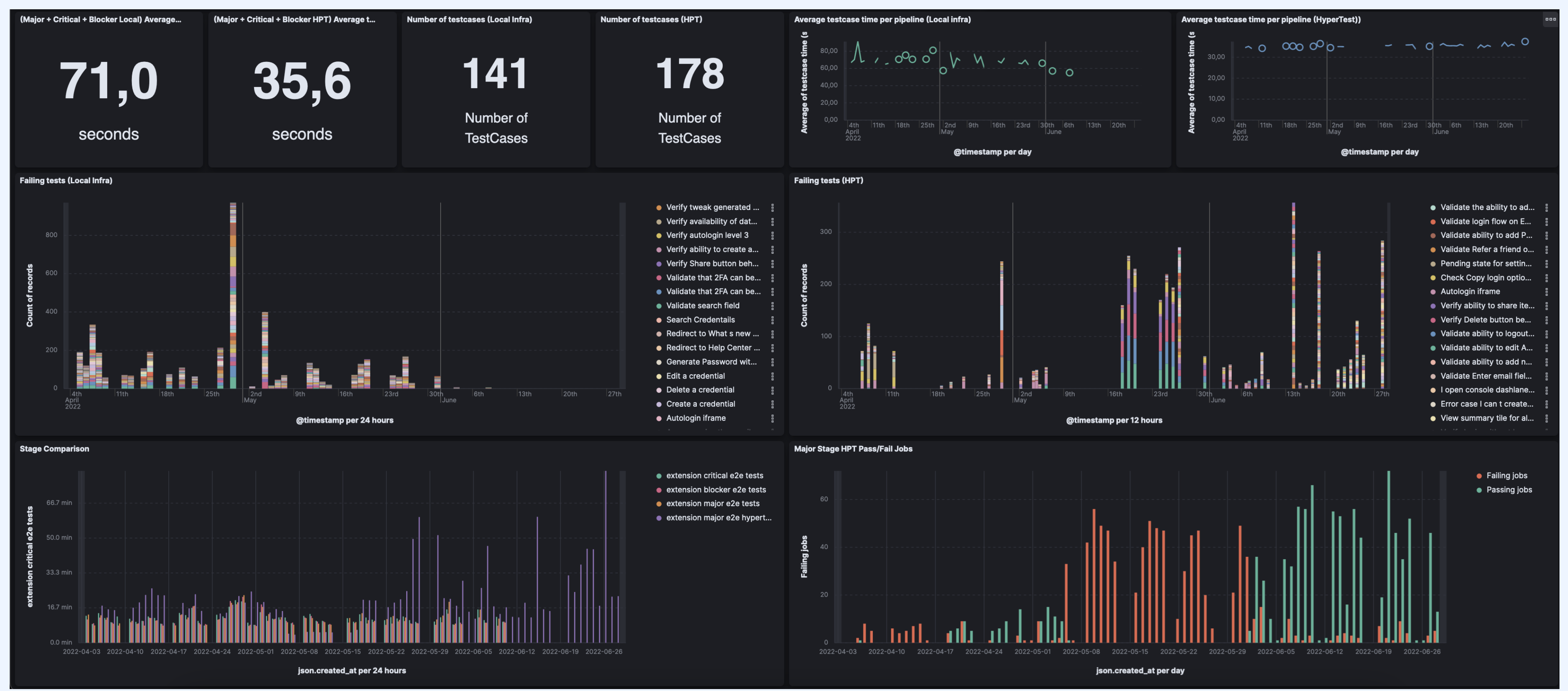
LambdaTest's HyperExecute provided Dashlane with all these functionalities they were looking for. But the best was yet to come!

At Dashlane, we were looking for a test orchestration platform that could help us increase velocity and eliminate developer friction and interruptions. We did a detailed benchmarking with performance, cost, capabilities, stability, and support as the decision drivers. After a head-to-head comparison of Hyperexecute with our local infrastructure, the performance of individual tests on Hyperexecute took nearly half the time compared to our local test infrastructure. Also, it drastically reduced the number of flaky tests thanks to its sanitized infrastructure. Another great benefit was their prompt and reliable customer support.

HyperExecute is a stable test orchestration platform and has excellent customer support

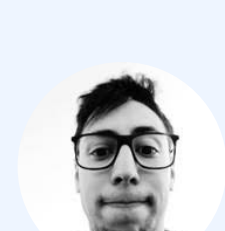


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DASHLANE



What Happened After Dashlane Adopted HyperExecute

Reduced test execution time by 50% with HyperExecute



Tiago Vieira
Software development engineer in Test
DASHLANE



Dashlane wanted to run more tests in parallel and faster and adopt a shift-left approach, so finding bugs earlier in the life cycle was necessary. With HyperExecute, they could finally shift left and scale their testing infrastructure.

During their test run, Dashlane discovered that HyperExecute could significantly cut down their test execution time. For example, HyperExecute could run about 70 test cases in 40 seconds, whereas their previous internal infrastructure took about 80 seconds.

Nearly 0 FlakyTests

A survey published in October 2021 shows that flaky tests haunt even giant corporations like Google or Microsoft. About 41% of tests in Google and 26% in Microsoft were discovered to be flaky. The same survey showed how flaky tests threaten the efficiency of CI: 47% of failed jobs that were manually restarted succeeded on the second run.

Dashlane understood this problem and wanted to ensure they reduced their flaky tests. After shifting to HyperExecute, Dashlane noticed nearly 0 flaky tests due to a stable and well-maintained cloud infrastructure.

Insightful Dashboard

HyperExecute's dashboard collects all test data in one place. They didn't have to spend hours getting test data and logs from different sources. The automatic report generation feature makes sharing reports easier. The reports are generated and shared with a single click!

Customer Service

The cherry on top was the customer service they experienced with LambdaTest. The team had constant support from LambdaTest during the trial and even after becoming a customer. The support team was quick in resolving issues they faced and was always just a ping away on Slack.

Benefits And Results

HyperExecute had given them everything they needed and additional features to elevate their test execution and infrastructure. HyperExecute helped Dashlane achieve

- 50% faster test execution time
- Nearly 0% of flaky tests due to infrastructure stability
- Best-in-industry customer service
- Infrastructure on-demand
- Properly sanitized and new machine every time to run tests at ease

They found a stable, reliable, and faster strategy in HyperExecute for all their testing needs, They can now scale and adapt their shift-left strategy, find the bugs earlier, and ship products faster!