

How GoDaddy Created A Culture of Quality Through Test Automation

With 18 million customers worldwide and 77 million domain names under management, scaling and unifying a team’s efforts across engineering, QA, and operations is crucial. Here’s how GoDaddy’s GoCentral team created a culture of quality through test automation with Cypress.

A Complex Team

GoDaddy’s GoCentral website builder powers the world’s largest cloud platform dedicated to small, independent businesses. The Growth Team’s mission is providing a world-class user experience for on-boarding and upgrading customers, working with more than a dozen other internal teams who manage many different parts of the GoDaddy platform.

With limited testing resources on the GoCentral team it quickly became apparent that ensuring quality was a much larger workload than they anticipated. Because of this, everyone needed to be writing tests—but changing the mindset and practices of the organization posed a big challenge. Looking for a way to ship world-class features at high delivery velocity, GoDaddy sought a solution that was simple to use but comprehensive.

Evaluation and Selection

After struggling with other approaches, the team turned to Cypress for its:

- Advanced end-to-end testing
- Test recording
- Comprehensive test coverage
- Ease in adding it to their continuous integration (CI) pipeline

Other features the team valued include the ease of use, Dashboard for reviewing test results, and the support they got from Cypress’ extensive documentation and vibrant community.

Results & Impact



2,500
tests run daily



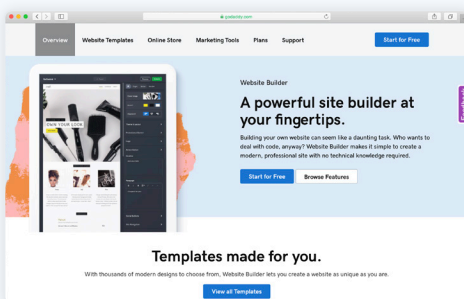
75%
decrease in test maintenance



100%
new feature test coverage



70%
increase in productivity

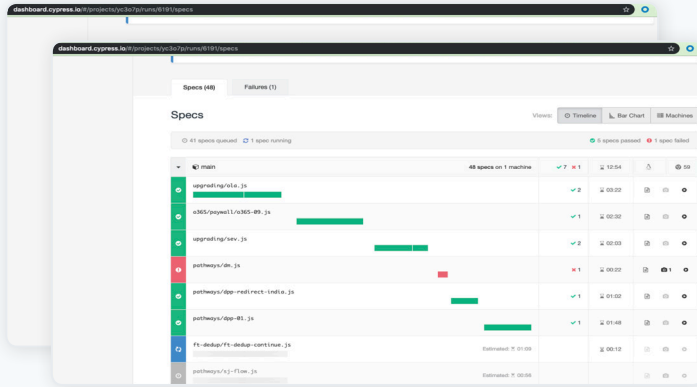


“Cypress has brought our engineers and QA team closer, collaborating on quality and giving us confidence that millions of GoDaddy customers are going to have a seamless experience.”

Pablo Velasquez
Software Development Test Engineer
GoDaddy

Cypress' open-source Test Runner was also a game-changer: "The live execution is just a hands down 'wow' moment for everyone who tried Cypress, and is one of the biggest advantages to developer adoption."

During evaluation, there was universal consensus that Cypress was the right solution across the organization – spanning skill level, skill sets, and roles spanning developers, QA, and management.



After Deployment: A “Force Multiplier”

Because Cypress made it easier for everybody on the team, they were able to write automated end-to-end tests for more features and do much less manual testing. This led to significant time saved, and greater productivity for everybody involved. They are also delivering with more confidence, reducing bugs and regressions even as they add new features. The team is also seeing efficiency gains using the Dashboard, reviewing the state of their test runs and quickly identifying test failures - knowing exactly what happened with screenshots and video of the test run that shows what happened.

Next Steps: Standardizing Across the Organization

Due to huge improvements with test coverage, productivity, and confidence using Cypress, the Growth Team plans to use Cypress even more and scale it across the entire company. They intend to replace old tooling and merge it with existing systems, improve internal guidelines and best practices for writing code with Cypress, and build an internal ecosystem around test authoring and quality across multiple roles that further increases efficiency and accuracy.

Thoughts on Cypress from the GoDaddy Team:

*"We just got a lot of **amazing mocking out of the box** with Cypress with no extra work."*

*"[Cypress] is a **huge time saver**, not just for QA, but for developers, for everybody really. And it gives you a great boost in confidence."*

*"When you join [our] team...the first thing you do is you write a Cypress test...and now we're moving towards, like I mentioned before, **zero manual testing**."*

*"Cypress had advantages for our specific team that were worth investigating...and we've proven that **it actually works**."*

About Cypress

With over 10 million downloads and users in over 90 countries, Cypress is the leader in browser-based test automation for the modern web. Cypress enables developers and enterprises to easily, quickly, and accurately test anything that runs in the browser, empowering developers to build modern web applications faster, better.

Using the Test Runner, developers can quickly create and live end-to-end tests for complex scenarios such as e-commerce, and complex user workflows and interactions. The Dashboard service provides collaboration and sharing between teams, recording screenshots, video, and test run history, while seamlessly integrating with existing tools and processes. For more information, visit cypress.io