SOLUTION BRIEF

Eggplant Test Automation

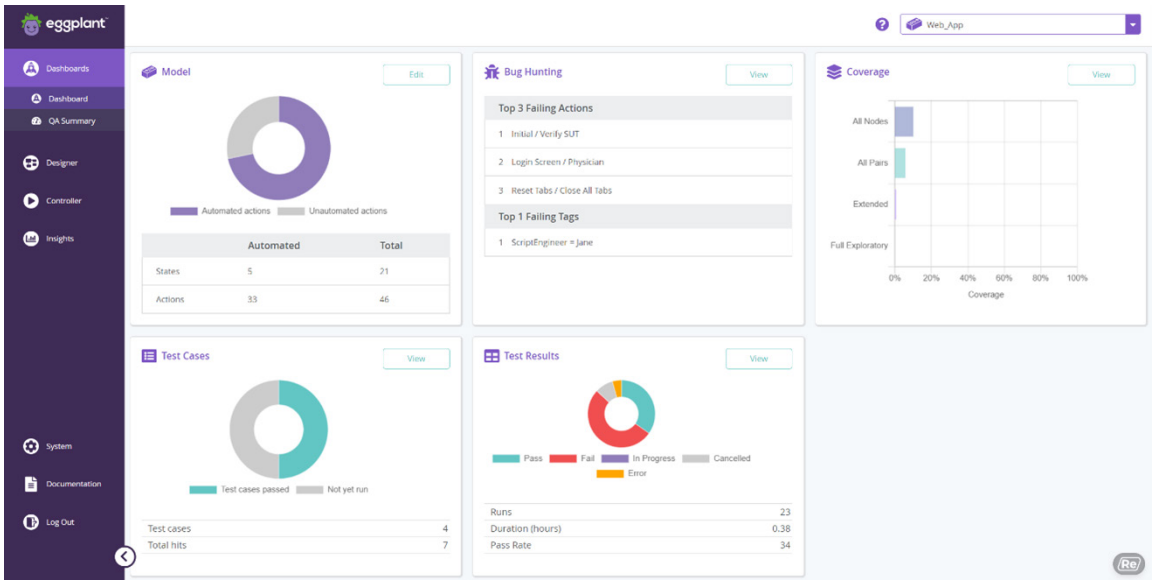
Test any application or user interface with AI-powered software test automation

KEYSIGHT

Eggplant Test Automation Software

As software development methods advance, software test and quality assurance (QA) teams face mounting challenges. Balancing the need for faster releases with uncompromising quality is becoming increasingly complex and harder to scale.

Keysight Eggplant Test removes the need for traditional siloed systems. It tests the full digital experience against business outcomes, enabling you to optimize resources, release faster, and deliver higher-quality software and applications.

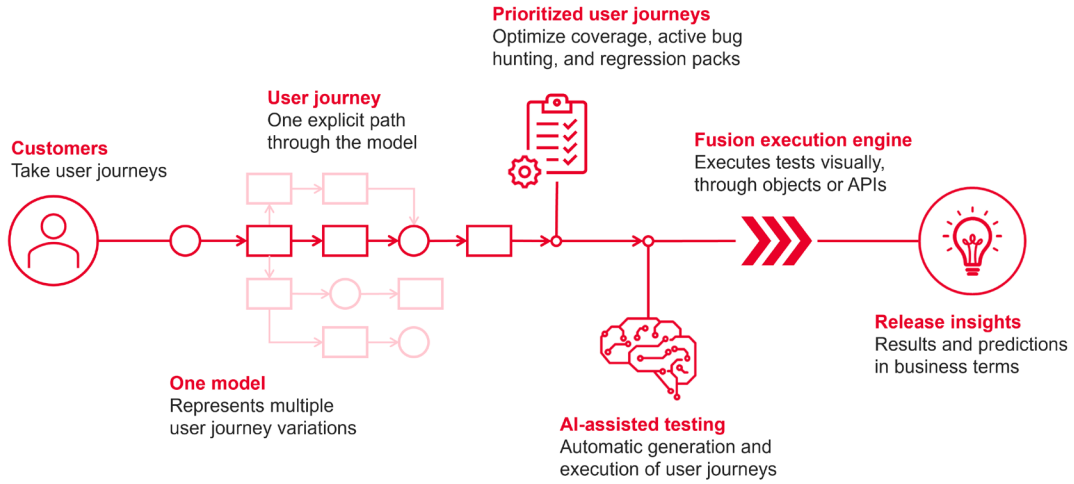


Benefits of Eggplant Test

- Reduce maintenance costs with scriptless test modeling.
- Streamline development with low-code testing tools.
- Produce actionable insights with AI-powered exploratory testing.
- Scale up enterprise testing by providing a single tool kit for your teams.
- Provide full test coverage across any device, platform, or operating system and any layer of the user interface (UI).

Intelligent test automation

Eggplant uses scriptless models, artificial intelligence (AI), and analytics to expand automation beyond test execution across the full testing process. Eggplant Test is the next-generation technology you need to truly transform testing for the digital age.



Key features of Eggplant Test

Customers use Eggplant to enhance productivity, increase test coverage, reduce business costs, and automate anything. Eggplant can help you completely automate in **fewer than 90 days.**

Using a model-based digital twin testing approach and harnessing the power of AI, Eggplant Test provides extensive coverage, optimizes user experience, speeds up release cycles, and improves your QA process.

Actionable intelligence to optimize digital experiences

- Learn from experience and feed testing insights back to DevOps using a unique combination of testing and monitoring capabilities.
- Test real user journeys by continuously tracking user movements throughout your website or application.
- Apply additional intelligence to your most important journeys and automatically create a model of the application.
- Relate real user behavior to desired business outcomes and determine what, if any, technical factors led to a drop in these outcomes.

Combined automated exploratory testing and fixed regression packs

- Dramatically simplify testing scenarios with Intelligent Test Scheduling, which combines these traditionally separate disciplines.
- Present testing data in business terms.
- Quickly define and categorize systems under test.
- Ensure that future tests optimize available resources and state specific device capabilities, if required.

Enterprise-scale testing capabilities via a single user interface

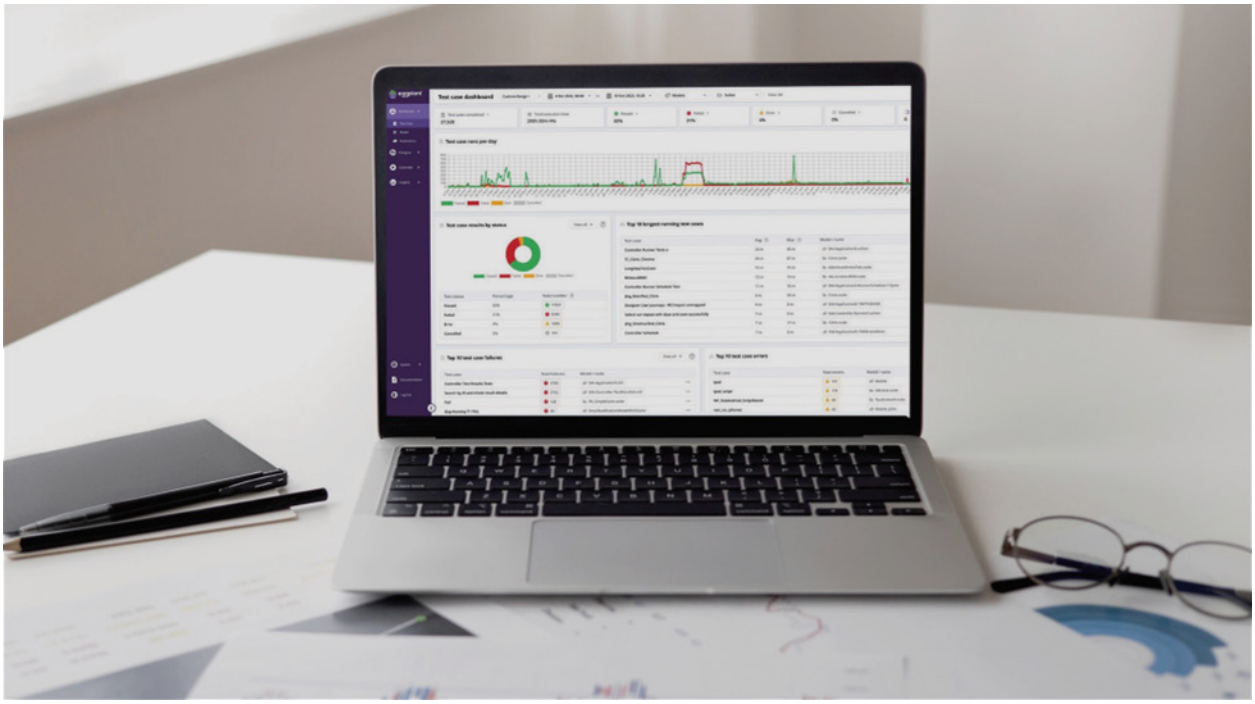
- Author, schedule, execute, and analyze test results via a single modern, intuitive UI.
- Easily scale execution and set limits for time and coverage levels.
- Customize rich graphical reports to provide actionable testing insight that moves beyond static pass / fail notices to identify root causes of failures.

Test any technology at every layer in any way

- Test any device, operating system, or technology at any layer with Eggplant's platform-agnostic approach.
- Understand and control the user interface as a human would, but also via APIs, objects, databases, and more, using Eggplant's Fusion Engine.
- Accurately find and read text on the screen via optical character recognition.
- Improve the user experience by automatically detecting the best settings for your text.

Empower domain experts to become automation engineers

- Support digital transformation initiatives via a low-code / no-code platform that domain experts, building analysts, and full-stack developers can use.
- Automatically run performance load tests on your system with no technical knowledge or coding.
- Modernize your testing approach without adding budget or resources.



Eggplant Test Success Stories

Here are three examples of how customers improved productivity and reduced costs using Eggplant.

Computer company improves productivity by 84%

- **Challenge**: A personal computer company had been employing a mixture of manual testing and limited automation to test its software. This approach was resource-intensive and failed to account for how customers use the technology.
- **Solution**: The company selected Eggplant because of its ease of use, ability to test across a range of devices and applications, and intelligent image recognition technology.
- **Business impact**: Deploying Eggplant enabled the company to reduce its workload to just 85 hours of human testers' time and delivered a productivity improvement of 84%.

Bank reduces testing costs by 78%

- **Challenge**: A large bank designing and deploying next-generation ATMs needed to allow for the highest level of customer experience possible.
- **Solution**: The bank used Eggplant to test multiple areas of the ATM without having to create thousands of automated test cases that testers would have written once and thrown away.
- **Business impact**: The customer increased test coverage by 70%, reduced cost of testing by 78%, and reduced test cycle time by 55%.

Grocery store chain ran 1,600 manual test cases

- **Challenge:** A US supermarket chain relied on manual testing of its point of sale (POS) and peripheral systems. It was looking for a frictionless retail experience.
- **Solution:** Using Eggplant's intelligent automation, the customer tested thousands of scenarios quickly and continuously hunted for defects. This approach rapidly accelerated the delivery and quality of its POS software.
- **Business impact:** The automation of almost 500 retail POS regression test cases has reduced the need to add manual testers for new initiatives.

> Our customers benefit from an improved experience, while our colleagues — without technology frustrations — can focus on the customer.
>
> Eggplant is core to the capability, and we are excited by the use of AI within the product to optimize execution paths and hunt down defects.
>
> **Senior Director of Retail Customer Solutions**

Conclusion

As organizations strive for faster, more efficient software deployments, AI-augmented testing enables businesses to meet their goals and secure competitive advantage. Partnering with an organization like Keysight enables innovators to push the boundaries of software engineering, solving test challenges to deliver the best application experience.

Eggplant Test uses AI and machine learning algorithms to enable end-to-end testing of complex systems, with no need for access to source code, DOM layer, or underlying operating systems.

Whether you are looking to test in-vehicle infotainment, POS software, craft control systems, product life cycle management workflows, or custom applications spanning web and mobile, Keysight Eggplant can accelerate your software test cycle with automation and insights that reduce risk and speed time to market.

Learn more about **Keysight Eggplant Test.**

For more information on Keysight Eggplant products and solutions, please **contact us.**

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KEYSIGHT

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