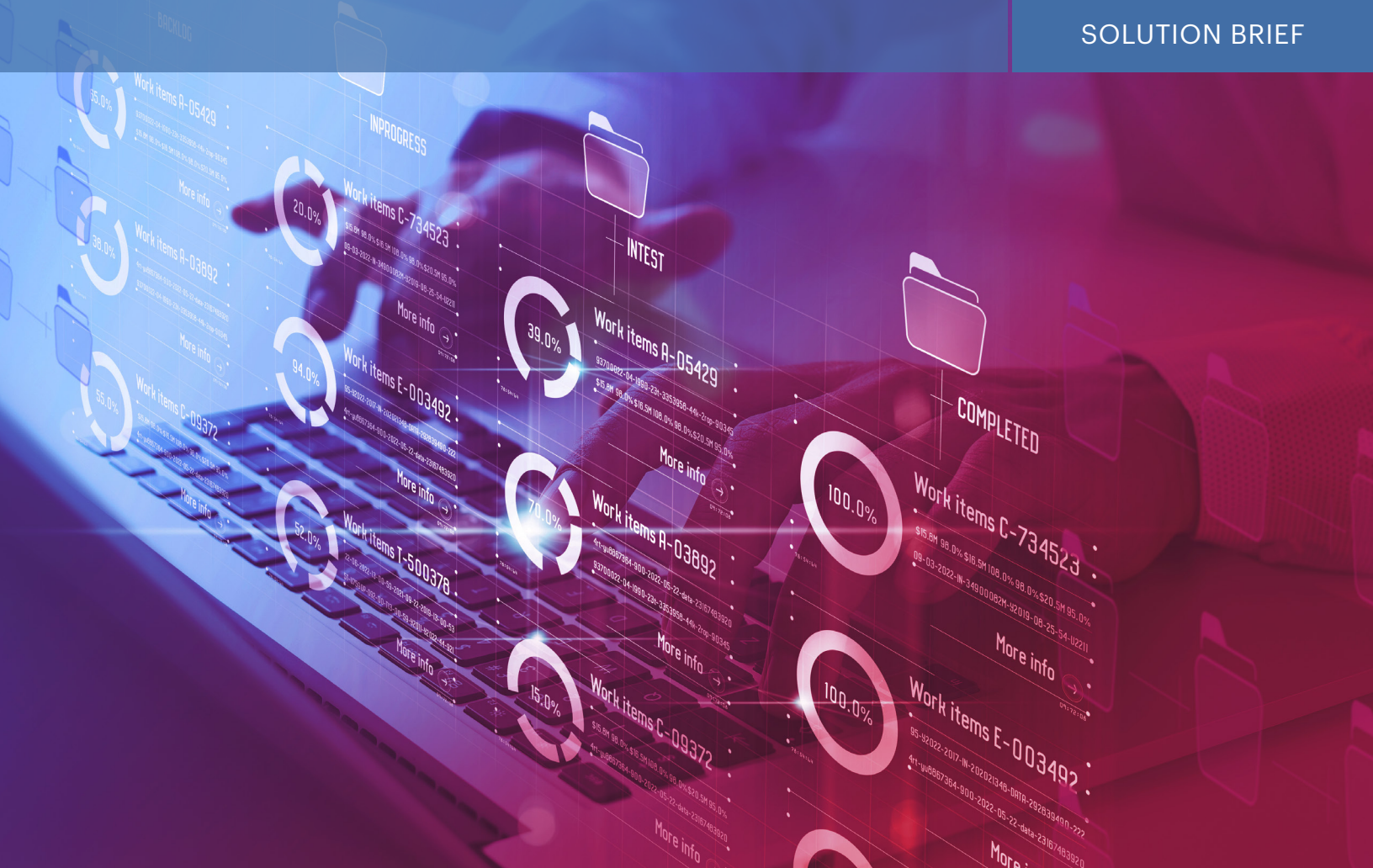




Eggplant Services Solutions

Unlocking seamless and efficient test automation
for your use case

Overview

Keysight Eggplant Services Solutions introduces tailored test automation services designed to meet the unique demands of your industry sector. Our comprehensive frameworks expedite the automation journey, offering immediate guidance and cost efficiency for distinct use cases in multiple fields.

Accelerating Automation Testing Journeys

In today's intricate testing landscape, industry-specific expertise is essential. Our team of Eggplant technical experts specializes in accelerating the automation of testing processes within complex and diverse environments.



Elevate Your Industry-Specific Demands with Continuous Testing

Eggplant Services Solutions specializes in meeting the unique and ever-evolving demands of various industries and use cases. Our comprehensive approach ensures seamless operation and quick adaptation to critical systems in sectors such as retail point-of-sale (POS), healthcare electronic medical records (EMR), automotive human-machine interface (HMI), defense, aerospace, government, financial services, and manufacturing. From tackling challenges to delivering efficiency and reliability, our team is committed to providing top-notch solutions. Read on to explore how we can assist you.

Retail Point-of-Sale

Point-of-sale (POS) systems pose unique challenges for automation testing. These tests typically lock down the registers, preventing the installation of additional applications. Furthermore, POS systems interact with various peripheral devices such as printers, scanners, and card readers. Point-of-sale systems integrate with third-party systems using application programming interfaces (APIs), databases, and file downloads and often exist in different configurations within an organization. As these systems grow in complexity, our team of Eggplant POS specialists can assist in streamlining your testing procedures through automation by:

- Building scalable solutions using an industry-specific framework.
- Leveraging the power of AI for efficiency and enhanced coverage.
- Empowering citizen developers to create code using a robust test automation solution.

Healthcare EMR Systems

Electronic medical record systems demand seamless integration of essential workflows with internal and external applications to function precisely. Comprehensive testing coverage is crucial, as any disruption to workflow or system processes can heighten the risk of a patient safety event.

These systems must exhibit robustness in managing critical health data while maintaining adaptability to accommodate a broad range of clinical and administrative functions crucial to medical professionals. Entire health networks rely on EMR systems and often cannot operate without them, as they manage every health system function, such as registration, billing, inventory management, clinical, and claims.

Time is a precious commodity for EMR systems, often requiring five people to accomplish tasks meant for twenty. However, it is possible to save thousands of testing hours per year by working with our Eggplant EMR experts to optimize your automated testing processes.

Automotive Human Machine Interface

Automotive HMI serves as a competitive differentiator for vehicle manufacturers and is constantly evolving. With limited time available to certify new interfaces, test automation must be agile yet efficiently coded to provide timely assurance of backward compatibility against many legacy vehicle configurations.

Automating human-machine interface and connected car experience testing requires computer vision, non-intrusive black box, and AI-driven testing. Testing HMI and connected systems requires the design, maintenance, and execution of thousands of test cases while considering user experience (UX), application interoperability, and embedded systems performance.

Meeting UX conformance and safety compliance targets requires executing test cases at the unit, functional, and UX levels across multiple integrated vehicle systems. An automated software testing platform enables engineers to automate and run tests 24/7, reducing test time and increasing test coverage. Our team of Eggplant HMI specialists can assist in simplifying testing procedures for automotive HMI, enabling faster and more effective validation across multiple systems and setups.

Defense, Aerospace, and Government

Defense, aerospace, and government sector organizations encounter distinct testing hurdles due to the confidential, sensitive, and secure nature of their projects. Restrictions on installing testing software on devices lead to complexities with various technologies in play, including legacy systems and multifaceted authentication needs, making automation more challenging.

To test critical systems in a DevOps environment, Eggplant Test uses computer vision, model-based testing, parallel execution, and exploratory testing capabilities to maximize test coverage for every reliable software release — without accessing sensitive source data or code or modifying systems during test.

Our team of experienced Eggplant security-cleared specialists employ inventive and non-invasive testing methods to simplify this process for you.

Financial Services

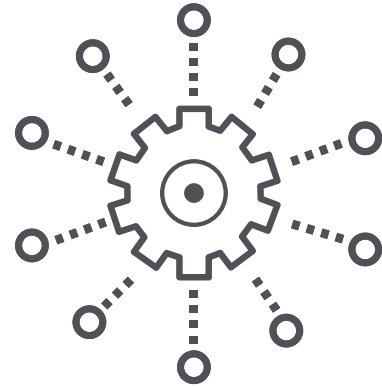
Stringent adherence to regulatory standards mandates thorough testing to ensure compliance, especially concerning financial data, where security is paramount. Rigorous testing is essential to prevent breaches or vulnerabilities. As modern software updates often need to coexist seamlessly with existing infrastructure, challenges arise from integrating legacy systems, data migration, and ensuring interoperability.

Users expect digital applications to work seamlessly on every possible platform and operating system, whether it is mobile banking, day trading, wealth management portals, or anything in between. In this digital transformation era, where software quality plays a critical role, testing has become more crucial than ever before.

Our team of experienced industry professionals will accelerate your journey towards making these goals a reality.

Manufacturing

Product lifecycle management (PLM) systems are complex ecosystems that navigate materials through product life cycle phases. These platforms are intricate ecosystems comprised of diverse applications operating across various environments. For example, automation engineers face ongoing challenges in automating computer-aided design (CAD) processes. These processes include graphics encompassing 2D and 3D images and dynamic functions like drag and drop.



Simulating this complexity adequately with test automation poses a challenge in achieving comprehensive test coverage. Ensuring dependability, adaptability, and security compounds testing hurdles, as shortcomings can affect product integrity, design precision, and user satisfaction.

Our team of manufacturing specialists is ready to assist you in validating functionality while addressing performance, user-friendliness, and security.

Eggplant Services Solutions offers a tailored and efficient approach to test automation, expediting your automation journey within your sector. By leveraging our comprehensive framework and industry expertise, you gain accelerated time-to-value through streamlined testing across the most crucial areas of your business. With a pre-built Eggplant test framework meeting Keysight quality standards, you ensure robustness, reliability, and ease of maintenance for your organization.

Unlock the Full Potential of Software Test Automation

Eggplant Services Solutions ensures that every line of code is best practice compliant, guaranteeing that your framework is efficient, robust, reliable, easy to maintain, and secure. We identify the fundamental business categories necessary for your use case and then work with you to identify the top workflows you need in each category.