Accelerate Testing with CGI's SimpliTest™

SimpliTest, CGI's open source, automated testing tool, empowers non-technical, business-focused stakeholders to develop their own automated tests through easy-to-follow acceptance test scripts written in plain English.
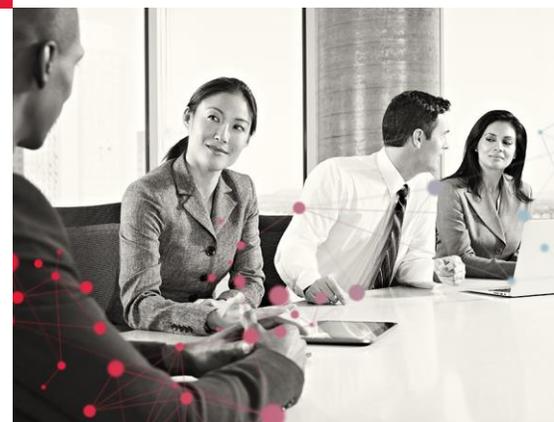
As federal agencies look to become more agile and DevOps-focused, teams face a number of legacy software testing challenges which inhibit productivity and innovation. Automated testing solutions can address a number of delivery issues by removing the burden of rewriting old code to provide new functionality, as well as reducing costly, manual testing and human error. However, these tools can be expensive to purchase and maintain, and technical experts are often needed to develop scripts.

SimpliTest overcomes these barriers and helps organizations create living documentation that acts as both acceptance criteria and test scripts to prevent defects and reduce dependence on testers who are technical. Free and available for anyone to use, SimpliTest was created from the best features of multiple open source products—like Selenium, Cucumber, Gherkin and Ruby— integrated into a single application. SimpliTest defines, controls, executes and reports tests, guiding the user through the testing process, establishing acceptance criteria before any development work begins, and ensuring quality always comes first.

ENABLING MISSION-FOCUSED TESTING

Agencies need solutions that will help them accomplish their missions on time and within budget, while continuously improving their ability to connect with citizens digitally and offering them high-quality digital services. SimpliTest:

Simplifies Automation	Automation without coding means less dependency on technology skills and promotes stakeholder involvement to drive a better end-user experience.
Decreases Cost Footprint	In addition to the savings that come from not having to maintain a team of technical testers, agencies do not have to pay for licenses or upgrades.
Promotes Development Alignment	As new builds and new features are added, they can be continuously tested to ensure they function in alignment with the development vision.
Supports Cross-Functional Teams	By enabling anyone to write and understand tests, SimpliTest drives better collaboration and supports agile and DevOps transformation. A faster feedback loop between developers and stakeholders also ensures development meets business requirements.

SIMPLITEST AT A GLANCE

SimpliTest was designed to help government clients increase the success rate of digital services projects and provide more effective channels for the American people to interact with government online. SimpliTest:

- Provides out-of-the-box (OOTB) definitions that integrate Selenium, Cucumber and Gherkin, offering clients a built-in accelerator kit for application testing
- Facilitates the shift to agile and DevOps
- Speeds up the adoption of testing best practices, such as cloud-based testing, behavior-driven development (BDD), acceptance-test-driven development (ATDD), and test-driven development (TDD)
- Offers OOTB Section 508 testing and suggestions for remediation through full integration with open source Deque Axe Engineer

Consulting, coaching and training support are available to clients who need help with implementation and beyond, as updates occur.

Increases Testing Efficiency

SimpliTest supports multi-browser, device, mobile and cloud-based test execution. Projects using SimpliTest have:

- Reduced production testing time from 8 hours to 1
- Reduced maintenance costs and increased test coverage
- Reduced test script development time by 80%
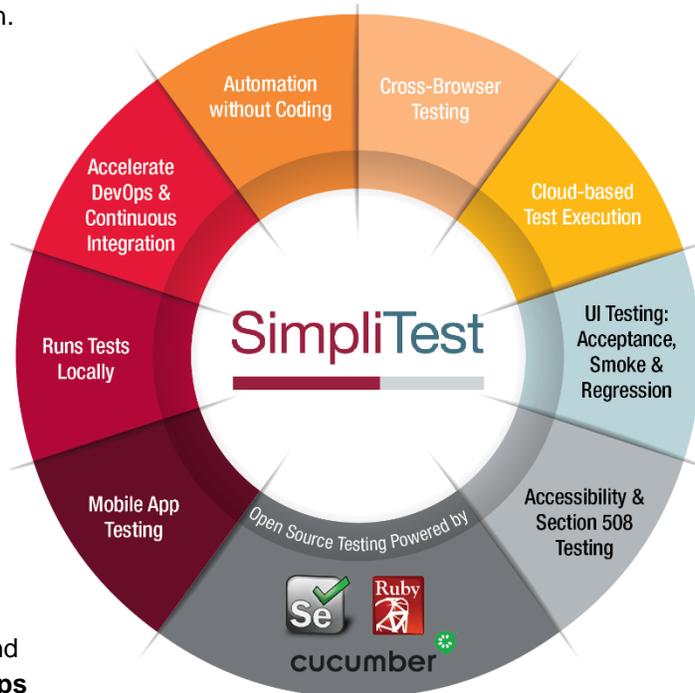- Reduced regression test execution time from 30 hours to less than 8

Prevents Defects

SimpliTest encourages testing early and often to prevent defects altogether instead of finding them at the end. Utilizing shift-left practices, SimpliTest enables test writing and execution earlier in the SDLC, while automation enables greater testing volume and better quality software that can be released earlier.

ACCELERATING SUCCESS

SimpliTest is **ready-to-test**, reducing the time it takes to start and complete testing. With local, simple product installation and setup, there's no need to pour through documentation.

It also **accelerates behavior-driven development (BDD) implementation** and can execute simple-text functional specifications as automated tests. By using BDD as a framework, business requirements are placed front and center in the testing process. Seamless integration with continuous integration servers like Jenkins and Bamboo **drives DevOps adoption**, allows users to maximize the value of automated test suites and **avoid vendor lock-in** across tools.

SimpliTest wheel: Automation without Coding, Cross-Browser Testing, Cloud-based Test Execution, UI Testing: Acceptance, Smoke & Regression, Accessibility & Section 508 Testing, Mobile App Testing, Runs Tests Locally, Accelerate DevOps & Continuous Integration. Open Source Testing Powered by Se, Ruby, cucumber.

CONTACT

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