

# Silk Test

Companies face many challenges when designing successful testing strategies for their applications. Incomplete or flawed test data from inaccurate testing can cause application failure and widespread disruption. Building test environments can be labor-intensive, expensive, and does not guarantee success. But companies compromising on testing risk losing customers and market share—potentially damaging their reputations.

## Product Overview

### How Silk Test Can Help

Micro Focus® Silk Test™ is one of the most reliable, efficient test automation solutions for functional and regression testing of any software application. The ability to create automated tests without coding enables software testers to keep up with the pace of development, and developers to create tests in their choice of IDE. Silk Test's automation is effective for regression, cross-platform, and localization testing. It works across all technologies, including AJAX, web, mobile web, Java, .NET, client/server, terminal host, and SAP systems.

## Key Features and Benefits

### Silk Test for Selenium

Selenium is an open-source framework for web application automation supported by all new browsers. But Selenium requires considerable technical expertise and effort. Silk Test simplifies creation and maintenance of Selenium-based functional tests, increasing test team productivity and ensuring quick feedback to development teams.

- Easily record and replay Selenium test scripts on any browser.
- View results in customized graphical formats.
- Re-use Selenium scripts for testing web applications on mobile devices.

- Generate stable and maintainable locators with a single click.
- Allow anyone to contribute to test creation, regardless of skillset.
- No longer rely on unstable, unreliable back-end system and use Selenium-script against virtualized services.

### Mobile Testing

Silk Test supports all the major mobile platforms, including iOS and Android, so test teams can standardize validation activities on a single solution and avoid having multiple testing tools for the different applications. Use Silk Test to perform tests on real devices, as well as simulators or emulators, to ensure that tests represent the genuine user experience. Mobile devices can be connected directly to Silk Test or used from Silk Central, Mobile

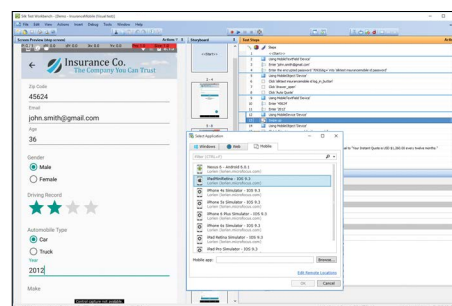


Figure 1. Mobile testing

## Key Benefits

- **Reduces R&D costs.** Minimizes test and fix cycles while optimizing costly resources.
- **Improves ROI.** Greater access to test creation and execution for more team members and collaboration in the quality process.
- **Helps leverage current investments.** Reduces investment in multiple tools and training and ensures confidence as technologies change.
- **Quick user adoption.** Easy-to-use role-based automation interfaces

## Feature Overview

- Value on top of open source (Selenium, Appium)
- Seamless collaboration between business and technical stakeholders
- Support for desktop, web, and mobile applications
- Mobile testing for Android and iOS
- Embedded back-end service virtualization
- Visual testing for instant productivity
- Embedded VB.NET scripting for advanced test case scenarios
- Eclipse plug-in for Java developers
- Microsoft Visual Studio plug-in for .NET developers
- Integration with Silk Central and Silk Performer for seamless test management or performance testing

Center, or SauceLabs, to provide the users a flexible way to interact with devices that are critical for them.

### Include All Users in the Testing Process, Regardless of Skill-Set

Functional testing must capture every aspect of your application. Keyword-driven testing enables business-focused stakeholders and technical experts, to seamlessly work together—whether it is a simple unit test or a complex business workflow. Silk Test keeps test design separate from test implementation to enhance productivity and collaboration between users.

Silk Test has the right interface for any user type:

- The Visual Testing interface of the Silk Test Workbench is the ideal starting point for business-focused people who don't want to write code to test their application.
- Silk4J is an Eclipse plugin that allows Java developers to create tests using their daily used environment and leverage all the capabilities of an IDE.
- Silk4NET is the pendant for .NET developers and integrates with Visual Studio.

Silk Test provides the same testing capabilities no matter which interface is chosen.

### Easy, Full Spectrum Support for Web Applications

Silk Test supports all major web environments, including Angular, Knockout, React, HTML5, Apache Flex, and Microsoft Silverlight. It facilitates modern application testing by supporting synchronization modes for HTML or AJAX. Simple web pages can be tested with HTML mode. AJAX mode eliminates the need to manually script synchronization functions when using more complex scenarios with Java script.

### Cross-Browser Testing for Web Applications

Create a single test script in Silk Test to test against Internet Explorer, Edge, Firefox, Chrome, Safari, and mobile browsers. This removes the need to build separate test logic for handling different browser types or version behavior and makes test scripts easier to maintain. While test case logic remains focused on the use case, test development time can be cut by up to 80%.

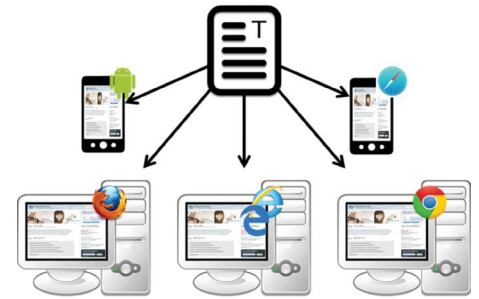


Figure 3. Support for all major web environments

### Configuration Testing in the Cloud

Silk Test and Micro Focus Silk Central™ enable the testing of web applications on a wide range of platforms, browser and mobile devices within your local environment, using physical machines, virtualised environments like VMware or Docker or by leveraging leading cloud providers like SauceLabs as well as pre-configured structures within AWS.

### Agile and Shift-Left Testing

Leverage your functional test assets for performance testing with Silk Test and Micro Focus Silk Performer™, to reduce the burden of script duplication. Simply take existing Silk Test scripts, upload it to Silk Performer, and immediately see how the application performs under heavy load. With limited effort introduce functional and performance quality from the beginning of the application delivery lifecycle.

### Support for Rapid Release Cycles

Today's release cycles are increasingly short and automated test cycles are often run after hours. Silk Test's execution is among the fastest in the industry, with optimizations based on native implementation of search algorithms, complex caching mechanisms, and the ability to use virtualized services. No longer make trade-offs between quality, feature set, and time.

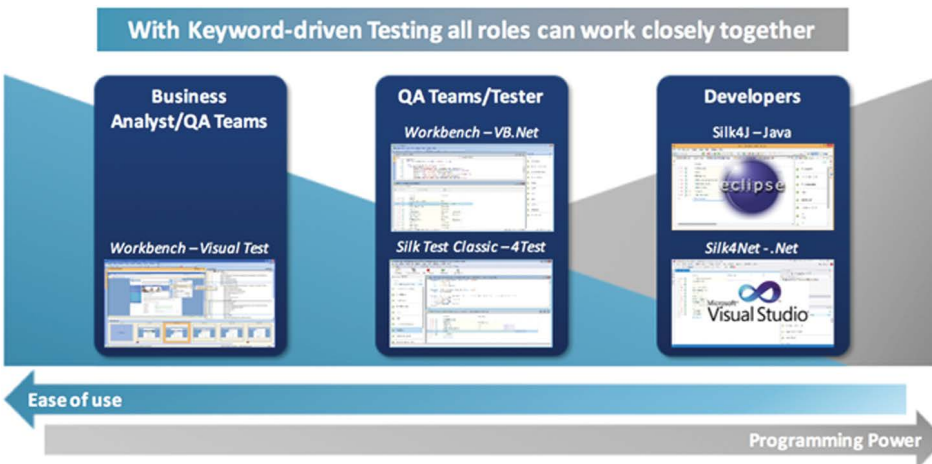


Figure 2. Role-based testing

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## Supported Environments

### Web

- Browser technologies: AJAX (Angular, Knockout, React, ExtJS), HTML5, DHTML
- Web browsers: Internet Explorer, Edge, Google Chrome, Firefox, Safari, Mobile browsers on iOS and Android
- Rich internet applications: Apache Flex, Adobe Air, Silverlight, Java Applets, Oracle Forms

### Mobile

- iOS
- Android
- Physical devices and emulators/simulators

### Desktop

- Java SWT Standalone and Rich Client Platform (RCP) applications
- Java AWT/Swing
- Java FX
- Microsoft WinForms (incl. 3rd party UI frameworks)
- Microsoft WPF (incl. 3rd party UI frameworks)
- Universal Windows applications
- Native Windows applications (like Qt, PowerBuilder, Delphi, MS Office)
- SAP (SAPGUI) and eCATT integration
- Oracle Forms
- Terminal Host Systems and Green screen applications via Micro Focus Rumba

**Note:** For version details please check the current release notes.