

## DATA SHEET

# SILKTEST

### Product Overview

SilkTest® is the most advanced tool for automating functional tests for enterprise software applications. SilkTest's powerful test automation capabilities make it the perfect solution for regression, cross-platform and localization testing across a broad set of application technologies – including AJAX and Web 2.0, Java or .NET and client/server – within the confines of today's short testing cycles. Designed for realizing automation benefits even when applied to complex test cases, SilkTest provides a host of productivity-boosting features that help you deal easily with changes in the Application Under Test (AUT). The powerful testing framework also enables high reusability of tests across test projects, further increasing ROI. With less time spent building and maintaining regression testing suites, QA staff can expand test coverage and optimize application quality.

By allowing you to create and run more tests for less cost, SilkTest is a cornerstone of the Micro Focus Continuous Quality Assurance approach which enables you to check the quality of systems as they are changed.

### Key Benefits

#### *Realizing the benefits of automated testing*

SilkTest delivers the efficiency and productivity benefits of functional test automation while mitigating the classic challenges of implementing automated GUI testing such as time, budget and resource constraints. Successful automation comprises manageable development effort, reusable and easily maintained test assets, the ability to run the automation whenever and wherever it's needed plus quick and accurate results analysis. SilkTest enables all of these elements to help you realize the benefits of your automated testing efforts. With SilkTest, functional test automation leads to quality and cost advantages:

- Higher QA productivity and lower testing costs
- Higher test coverage
- Consistent and repeatable test results
- Ability to create powerful testing frameworks and include business analysts and automation engineers in the testing process
- Reduced risk of defects and associated costs

#### *Collaborative rapid automation infrastructure development*

Creating sufficient tests to rigorously verify your application's reliability is a daunting task in today's high speed development environments. SilkTest has many features that promote rapid test development. An industry leading Visual Testing approach with scenario based editing capabilities supports business analysts while QA professionals are supported through a VB .Net scripting option for advanced test automation needs. Data driven testing options for linking a single test case to test data values and an Asset Browser for managing the different asset types in a project greatly improve productivity in automation infrastructure development.

#### *Reliable and robust test automation*

Critical to automating today's applications built with AJAX and other highly dynamic capabilities is their asynchronous behavior. Normally this would require many synchronization points but SilkTest provides unique, built-in, fully automatic synchronization that completely eliminates the need for manual wait statements and delivers robust and reliable scripts out of the box. Web 2.0 test scripts can be replayed against multiple browsers without modification.

Also important for reliable test automation is the ability to react when systems fail while being tested. SilkTest offers unique features for running tests in an unattended 24/7 mode. Should an error occur, such as an application crash, it is logged and the application restored to its original base state. Subsequent tests can continue to run and produce valid test results.

#### *Maximizes test throughput*

Today's automated test cycles are often run during off hours to check quality with short test windows. SilkTest's text execution is the fastest in the industry with optimizations based on native implementation of search algorithms and sophisticated caching mechanisms. These optimizations allow you maximize test coverage and increase confidence in quality.

#### *Ease of maintenance*

A classic challenge of test automation is the fragility of test scripts when Applications Under Test (AUT) are modified during development. SilkTest eliminates the risk of test scripts breaking through its industry leading, robust, object recognition approach. This decouples the hierarchy of the AUT's graphical elements from the internal representation in the test scripts that shields scripts from

the underlying changes. A powerful recorder greatly enhances the ability to create test automation frameworks that do not need to change as the application changes or is localized. This is due to built-in locator optimization, configurable object identification strategies and support for custom attributes/properties and black/white list for attributes and values.

## Feature Overview

### Key feature highlights include:

- Support for state-of-the-art technologies including AJAX/Flex/Web 2.0, Java, .NET and client/server
- Multi-browser support without script modification
- Visual Testing and Scenario based workflow for instant productivity
- Embedded VB .Net scripting language for advanced test case scenarios
- Silk4J™ Eclipse plug-in for Java developers
- Silk4Net™ Microsoft Visual Studio plug-in for .Net developers
- Active Data for testing business logic functionality using externally stored data
- Powerful visual and editor based editing capabilities for rapid test customization and automation infrastructure development
- Project Workspaces for organizing and sharing test information
- Diagnostics of script actions from the end-user perspective
- Support for local and remote test execution spanning multiple machines
- Integration with Micro Focus SilkCentral Test Manager for advanced, process-oriented test management and issue tracking

- Industry leading Open Agent technology with fully automatic event synchronization
- Dynamic Resolving enables an object to be located without reference to a windows hierarchy

## Product Specifications & System Requirements

### System requirements

Your computer must meet the hardware requirements listed below:

#### Platform

- Windows XP Service Pack 3
- Windows Vista Service Pack 1 or Service Pack 2
- Windows 7
- Windows Server 2008
- Windows Server 2008 R2

#### Processor

- Intel or AMD DualCore processor running at 2 GHz

#### RAM

- 2 GB of RAM

#### Hard disk space

- 2GB of free disk space

### Supported Environments

#### Browser GUIs

- AJAX
- DHTML (JavaScript and CSS)
- XML data (XML/XSL Web pages)
- Microsoft HTC/HTA
- Java Applets

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### Rich Internet Applications

- Adobe Flex 3.2, 3.3, 3.4, 3.5, 4.0, 4.1
- Adobe AIR

### Web Browser

- Microsoft Internet Explorer 6, 7 and 8
- Mozilla Firefox 3.0, 3.5 and 3.6

### Java GUIs

- Eclipse 3.0 - 3.6
- SWT Standalone and Rich Client Platform (RCP) applications
- AWT/Swing

### Java

- Sun 1.6

### .NET GUIs

- Microsoft WinForms (.NET 2.0, 3.0, 3.5, 3.5 SP1, 4.0) 32 and 64 bit
- Microsoft WPF (.NET 3.5 SP1, 4.0) 32 and 64 bit

### .NET

- Microsoft .NET CLR 2.0, 3.0, 3.5, 3.5 SP1, 4.0 (32 and 64 bit)

### Native GUIs

- Win32 (32 and 64 bit)

### ERP

- SAP (SAPGUI client 7.10)

### For additional information please visit: [www.microfocus.com](http://www.microfocus.com)

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