Silk Test 18.5

Release Notes

Contents

Silk Test 18.5 Release Notes

This file contains important information that might not appear in the Help. Read this file in its entirety.

For information about installation and licensing issues, refer to the *Silk Test Installation Guide*.

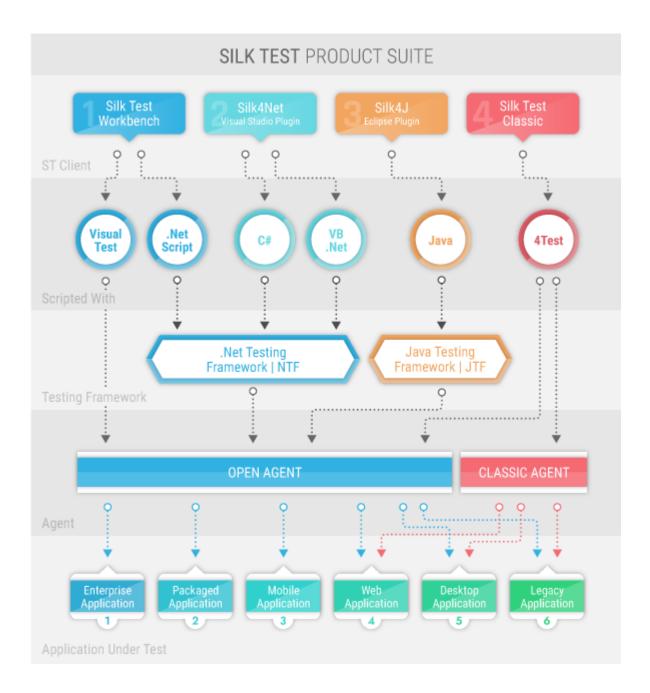For the latest version of this document, see *Release Notes*.

Navigate to *supportline.microfocus.com* for further assistance from Customer Care.

Silk Test Product Suite

Silk Test is an automated testing tool for fast and reliable functional and regression testing. Silk Test helps development teams, quality teams, and business analysts to deliver software faster, and with high quality. With Silk Test you can record and replay tests across multiple platforms and devices to ensure that your applications work exactly as intended.

The Silk Test product suite includes the following components:

- Silk Test Workbench – Silk Test Workbench is the quality testing environment that offers .NET scripting for power users and easy to use visual tests to make testing more accessible to a broader audience.
- Silk4NET – The Silk4NET Visual Studio plug-in enables you to create Visual Basic or C# test scripts directly in Visual Studio.
- Silk4J – The Silk4J Eclipse plug-in enables you to create Java-based test scripts directly in your Eclipse environment.
- Silk Test Classic – Silk Test Classic is the Silk Test client that enables you to create scripts based on 4Test.
- Silk Test Agents – The Silk Test agent is the software process that translates the commands in your tests into GUI-specific commands. In other words, the agent drives and monitors the application you are testing. One agent can run locally on the host machine. In a networked environment, any number of agents can run on remote machines.

SILK TEST PRODUCT SUITE

The sizes of the individual boxes in the image above differ for visualization purposes and do not reflect the included functionality.

The product suite that you install determines which components are available. To install all components, choose the complete install option. To install all components with the exception of Silk Test Classic, choose the standard install option.

System Requirements and Prerequisites

The following section identifies the system requirements for installing and running Silk Test.

Hardware Requirements

Micro Focus recommends the following hardware:

System Area	Requirement
Processor	Intel or AMD dual-core processor running at 2 GHz.
RAM	1 GB free memory.
Hard disk space	2 GB of free disk space.

> **Note:** The recommended hardware reflects the minimum requirements for Silk Test. Depending on the requirements of the application under test or the requirements of your test environment, you might require additional hardware.

When testing on an iOS device, Micro Focus recommends using a device with 1 GB RAM or more.

To test a web application on Apple Safari or a mobile application on iOS, a Mac with the following hardware is required:

System Area	Requirement
Operating system	OS X El Capitan 10.11.3 or later.
Hard disk space	1 GB of free disk space.

Software Requirements

To install and execute Silk Test, the following software needs to be installed:

- Microsoft .NET Framework 4.6 (Full setup)
- *Windows Update 3118401 for Universal C RunTime in Windows*

What's New in Silk Test

Silk Test supports the following new features:

Support for Virtualized Test Environments

You can now execute your mobile and web tests on mobile devices and browsers that are managed by Mobile Center or Sauce Labs. Just configure the Mobile Center or Sauce Labs integration through Silk Central and start testing on remote devices and browsers.

Enhanced Recording on Microsoft Edge

Recording actions on Microsoft Edge now supports all functionality available when recording actions on Google Chrome and Mozilla Firefox.

Usability Enhancements

This section lists usability enhancements that have been made in Silk Test 18.5.

Testing complex embedded Chrome applications

You can now test embedded Chrome applications that expose more than a single browser window in the UI, for example applications that contain multiple browser windows in the UI, or applications that include UI controls that are based on Win32. Silk Test now also supports testing WeChat apps.

Counting the rows and the columns of an active data asset

Silk Test Workbench now supports two new test step types for visual tests, which enable you to count the rows and the columns of an active data asset. For example, when executing a loop that iterates through the rows of an active data asset, this new functionality enables you to compare the number of rows that were iterated through in the loop with the actual number of rows in the asset, and to add this information to your test results by using a result comment.

Exporting and importing large assets

Independent of the processing power and memory capabilities of the machine on which you are working, you can now reliably export and import large assets from and to Silk Test Workbench.

Passing AUT command line arguments

When executing a test through the `STW.EXE` command line of Silk Test Workbench, you can now use the *commandlineargs* parameter to pass command line arguments for the application under test (AUT) to the test.

Waiting for a property to get a specific value

To coordinate synchronization between the playback of a visual test in Silk Test Workbench and the application under test (AUT), you can now insert steps into the visual test that wait for a property of a control in the AUT to get a specific value.

Manually specifying the locator of a control to verify

Silk Test Workbench now supports verifying the properties of manually specified controls with the **Test Logic Designer**. When you type the full XPath locator of a control into the **Name of control** field, Silk Test Workbench searches for the specified control in the application under test and populates the **Select a property** list. From this list you can then select the properties of the control that you want to verify.

Purging individual assets

You can now use the new **Purge Asset Version** wizard in Silk Test Workbench to purge individual assets. This enables you to remove only exactly these versions and assets that you want. For example, when a specific visual test is continuously generating results, you can now select to purge only the old versions of this specific result asset.

API Enhancements

This section lists API enhancements that have been made in Silk Test 18.5.

Retrieving the page source of a web application

You can now use the `GetPageSource` method to retrieve the page source of a web application.

System functions

To enable communication between your test scripts and the operating system of the Open Agent host, all Silk Test clients now support operating system calls. These calls are available from the `SystemFunctions` class.

Double-clicking on a mobile object

You can now use the `DoubleClick` method to double-click on a mobile object.

Escaping special characters when matching strings

When using the `MatchStr` function, Silk Test Classic now supports escaping wildcard characters in the pattern to search for with a backslash (\).

Technology Updates

This section lists the significant technology updates for Silk Test 18.5.

New macOS Version

You can now leverage your test set by simply executing all your existing functional, regression, and localization tests for Apple Safari or iOS on macOS High Sierra (10.13).

New iOS Version

In addition to the iOS versions, which have been tested with the previous version of Silk Test, Silk Test has now been tested with iOS 11.

New Android Version

In addition to the Android versions, which have been tested with the previous version of Silk Test, Silk Test has now been tested with Android 8.

New Mozilla Firefox Versions

In addition to the versions of Mozilla Firefox, which have been tested with the previous version of Silk Test, Silk Test has now been tested with the following new versions of Mozilla Firefox:

- Mozilla Firefox 55
- Mozilla Firefox 56

Note: This list includes the new versions of Mozilla Firefox that have been tested with Silk Test 18.5 until the release date of Silk Test 18.5. Silk Test 18.5 should be able to support newer versions of Mozilla Firefox, even if these versions have been released after the release date of Silk Test 18.5.

New Google Chrome Versions

In addition to the versions of Google Chrome, which have been tested with the previous version of Silk Test, Silk Test has now been tested with the following versions of Google Chrome:

- Google Chrome 60
- Google Chrome 61
- Google Chrome 62

Note: This list includes the versions of Google Chrome that have been tested with Silk Test 18.5 until the release date of Silk Test 18.5. Silk Test 18.5 should be able to test with newer versions of Google Chrome, even if these versions have been released after the release date of Silk Test 18.5.

New Apple Safari Version

In addition to the versions of Apple Safari, which have been tested with the previous version of Silk Test, Silk Test has now been tested with Apple Safari 11.

New Microsoft Edge Version

In addition to the versions of Microsoft Edge, which have been tested with the previous version of Silk Test, Silk Test has been tested for recording and replay with build 10.0.16299.19, the Microsoft Edge version for the Windows 10 Fall Creators Update.

New SAPGUI Client Version

Silk Test now supports SAPGUI client 7.50.

New Eclipse Version

Silk4J now supports Eclipse Oxygen (4.7).

New Java SWT Version

Silk Test now supports Java SWT 4.7 standalone and Rich Client Platform (RCP) applications.

New Microsoft SQL Server Version

Silk Test Workbench now supports Microsoft SQL Server 2017.

Known Issues

Depending on the Silk Test client that you are using, click on the corresponding link for a list of the known issues for the client and their resolutions:

Silk Test Workbench	*Known Issues for Silk Test Workbench*
Silk4J	*Known Issues for Silk4J*
Silk4NET	*Known Issues for Silk4NET*
Silk Test Classic	*Known Issues for Silk Test Classic*

Resolved Issues and Customer-Driven Enhancements

The following issues have been resolved:

SI #	RPI #	Description
	DE15735	TrueLog: Wrong indentation of actions with errors if keyword-driven testing and WebDriver are used.
	DE15947	Android: Screencast app does not disappear at `closeApp`.
	DE16178	Mobile web: Clicking some links on www.yahoo.co.jp page does not work.
	DE16188	Manual Mobile Testing: Physical iOS crashes on 'keys' when no `browserUrl` is specified.
	DE16244	Android: Parallel mobile native testing does not work with UIAutomator 2.
2847787	617508	Silk Test Workbench: Cannot manually enter an XPath locator in the **Verification Wizard**.
2855786	1103794	Enhancement request for the Wait step in visual tests.
2876291	623116	Silk Test Workbench: No `contains` function available in the **Expression Designer**.
	629804	Truelog does not contain a screenshot if an exception occurs in the keyword-driven test.
2879458	1107199	Keyword-driven testing editor: copy/paste not possible.
2887817	1108651	Silk Test Workbench: Extend -b parameter in `STW.exe` to include additional commands.
3100418	1108929	Wrong handle of UI elements in Windows application (Accessibility).
3104828	1109492	Silk Test Classic: Cannot escape characters like ? or * in `MatchStr`.
3108490	1109644	Silk4NET: Request to move location of `Agent.properties`.
3105934	1109414	Request to add `GetPageSource` method to the Open Agent.
3106442	1110044	WeChat support for X5 webview.
3108558	1109657	ActiveData: Requesting a variable to state how many rows are to be run.
3109964	1109795	Silk Test Classic: Changes made in function to input parameters are reflected outside.
3110569	1109844	Silk Test Workbench: Issue when identifying objects in Google Chrome with the recorder or the **Identify Objects** tool.
3111727	1110033	Unable to click on iOS `MobileButton` on iPad videos.
3112364	1110139	Mozilla Firefox: JavaScript changing to strict mode.
3112486	1110042	**Locator Spy** identifies Internet Explorer 11 custom attributes differently on Windows 10.
3113779	1110181	Cannot click button next to **Cancel** in **Alert** dialog on iOS.
3113829	1110390	Silk Test Workbench stops working when recording a new script.
3115852	629493	Silk4J: No documentation available about what wait for methods are available.
3116386	1110446	Failed to connect to Open Agent.

SI #	RPI #	Description
3116398	1110451	Google Chrome: Order of open tabs is changed when object is not found.
3117363	1110516	Silk Test Workbench: **Save All** does not work while debugging a visual test.
3117365	1110542	Low-level `SWTTable.SelectRow` fails to select correct row.
3117721	1110602	Silk Central: Parallel execution of mobile visual tests in Silk Test fails.
3117872	1110570	Request to add the object class back to the **Locator Spy** hierarchy display.
3118139	1110656	Chinese Silk Test Workbench stops working during print preview of result.
3118248	1110590	Value type Double is received incorrectly for Portuguese format.
3118380	1110614	`SetProperty` method fails when using "this" keyword.
3118449	1110675	Silk Test Workbench purge assets functionality - Amendments.
3118456	1110617	Cannot select a RadioButton by `typeKeys("<Space>")` in Mozilla Firefox.
3118798	1110654	**Locator Spy** regression: Tag is displayed instead of class.
3119363	1110684	Silk Test Classic: `bCloseOtherTabs` is not considered by `DefaultBaseState` for Google Chrome.
3119574	1110810	Internet Explorer: Error executing 'ClearCache' with appstate none.
3119774	1110714	Purge Asset Versions - Update so that all projects are not selected by default.
3119775	1110715	Purge Assets Enhancement - Allow the selection of individual scripts.
3119790	1110782	Silk4NET: Requesting `DoubleClick` ability in mobile.
3119919	1110756	Silk Test Classic: **Locator Spy** Copy/Paste Hierarchy buttons are not enabled.
3120483	630186	Mozilla Firefox: Extensions testing - "Unable to convert: Capabilities".
3120554	1110813	Silk Test Workbench: Empty data in active data cannot be handled.
3120983	1110876	Error executing `SwipeUp` in Android app.
3125716	1111307	Silk Test Workbench: Always respect the default permissions when creating a project.
3125718	1111321	Database Maintenance Utility - Configuration option not saved correctly.
3126715	1111365	The timeout parameter is not documented for `TextExists` and `TextRectangle`.
3127523	1111455	Silk Test Workbench adds PhantomJS application configuration instead of Microsoft Edge.
3128309	1111505	Silk4J: Turn off screencast pop up while testing on Android.

Contacting Micro Focus

Micro Focus is committed to providing world-class technical support and consulting services. Micro Focus provides worldwide support, delivering timely, reliable service to ensure every customer's business success.

All customers who are under a maintenance and support contract, as well as prospective customers who are evaluating products, are eligible for customer support. Our highly trained staff respond to your requests as quickly and professionally as possible.

Visit *http://supportline.microfocus.com/assistedservices.asp* to communicate directly with Micro Focus SupportLine to resolve your issues, or email supportline@microfocus.com.

Visit Micro Focus SupportLine at *http://supportline.microfocus.com* for up-to-date support news and access to other support information. First time users may be required to register to the site.

Information Needed by Micro Focus SupportLine

When contacting Micro Focus SupportLine, please include the following information if possible. The more information you can give, the better Micro Focus SupportLine can help you.

- The name and version number of all products that you think might be causing an issue.
- Your computer make and model.
- System information such as operating system name and version, processors, and memory details.
- Any detailed description of the issue, including steps to reproduce the issue.
- Exact wording of any error messages involved.
- Your serial number.

To find out these numbers, look in the subject line and body of your Electronic Product Delivery Notice email that you received from Micro Focus.

Silk Test Licensing

This section describes how to obtain a license policy for Silk Test and how to install Silk Meter. You must have administrator privileges to install Silk Meter.

Note: Silk Test requires Silk Meter version 2008 or later as well as a Silk Test license policy.

Install Silk Meter once per license server. If you have multiple license servers, you need multiple license policy files, each one tied to a particular license server. A single Silk Meter license server can administer license policies for multiple products.

If you have received a Silk Test license policy, install the license policy on your license server. If you have not received a license policy, generate a license policy.

Licensing Information

Unless you are using a trial version, Silk Test requires a license.

Note: A Silk Test license is bound to a specific version of Silk Test. For example, Silk Test 18.5 requires a Silk Test 18.5 license.

The licensing model is based on the client that you are using and the applications that you want to be able to test. The available licensing modes support the following application types:

Licensing Mode	Application Type
Mobile Native	- Mobile web applications. - Android - iOS - Native mobile applications. - Android - iOS
Full	- Web applications, including the following: - Apache Flex - Java-Applets - Mobile web applications. - Android - iOS - Apache Flex - Java AWT/Swing, including Oracle Forms - Java SWT and Eclipse RCP .NET, including Windows Forms and Windows Presentation Foundation (WPF) - Rumba - Windows API-Based **Note:** To upgrade your license to a Full license, visit *http://www.microfocus.com*.
Premium	All application types that are supported with a *Full* license, plus SAP applications.

Licensing Mode	Application Type
	Note: To upgrade your license to a Premium license, visit *http://www.microfocus.com*.
Mobile Native Add-On	In addition to the technologies supported with a Full or Premium license, the mobile native add-on license offers support for testing native mobile applications on Android and iOS.

Tested Software

This section lists the software with which Silk Test 18.5 has been tested.

Operating Systems

Silk Test 18.5 has been tested with the following operating systems:

- Microsoft Windows Server 2008
- Microsoft Windows Server 2008 R2
- Microsoft Windows 7 SP1
- Microsoft Windows 8 (No Windows Store apps)
- Microsoft Windows 8.1 (No Windows Store apps)
- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 R2
- Microsoft Windows 10 (No Universal Windows Platform apps)
- Microsoft Windows Server 2016

Web Applications

For the Open Agent, Silk Test 18.5 has been tested with the following browsers and web technologies:

Technology Type	Tested Version
Mozilla Firefox**	41, 42, 43, 44, 45 (ESR*), 46, 47.0.1, 47.0.2, 52 (ESR*)***, 53*** , 54***, 55***, 56*** **Note:** For compatibility reasons, Silk Test 18.5 does not support Mozilla Firefox 48, 49, 50, and 51.
Google Chrome**	52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62
Chrome for Android	
Original Stock Android Browser (AOSP)	
Apple Safari on iOS	9, 10.1, 11
Apple Safari on Mac	9, 10.1, 11
Mac OS (Used for testing Apple Safari or iOS)	10.11.3, 10.12, 10.13
Internet Explorer	8, 9, 10, 11
Microsoft Edge	Windows 10 Anniversary Update (38.14393), Windows 10 Creators Update (40.15063), Windows 10 Fall Creators Update (10.0.16299.19)
Android	4.4, 5.x, 6.x, 7.x, 8.x
iOS	9.3, 10.x, 11.x
Xcode	Xcode 8.3.x, Xcode 9.x
Silverlight	3 (Silverlight Runtime 4), 4 (Silverlight Runtime 4 and Silverlight Runtime 5) **Note:** Microsoft has committed to support Silverlight 5.0 until 2021, but has made no concrete announcement about the future roadmap of

Technology Type	Tested Version
	Silverlight. Whilst we endeavour to maintain the highest levels of support for our customers, we are occasionally limited in the support we can obtain from Microsoft on this platform.
Apache Flex (Only for Internet Explorer)	Silk Test 18.5 has been tested with Apache Flex version 3.5 to Apache Flex version 4.14.1, and with Adobe AIR 2.0 or later (built with Apache Flex 4.x) Silk Test supports Adobe Flash Player 10 or later.
Java Applets (Only for Internet Explorer)	Silk Test supports Applets for web applications running in Internet Explorer.
HTML5	
Oracle Forms	10g and 11g for Internet Explorer.

* Extended Support Release.

** This list includes the browser versions that have been tested with Silk Test 18.5 until the release date of Silk Test 18.5. Nevertheless, Silk Test 18.5 should be able to support the newest versions of these browsers, as soon as they are available.

*** In comparison to the previous versions of Mozilla Firefox, testing on Mozilla Firefox 52 and later versions includes some additional limitations. For detailed information on the limitations, refer to the documentation of your Silk Test client.

Native Mobile Applications

For the Open Agent, Silk Test 18.5 has been tested with the following mobile operating systems:

Technology Type	Tested Version
Mac OS (Used for testing Apple Safari or iOS)	10.11.3, 10.12
Android	4.4, 5.x, 6.x, 7.x, 8.x
iOS	9.3, 10.x, 11.x

Desktop Applications

For the Open Agent, Silk Test 18.5 has been tested with desktop applications that are developed in one of the following technologies:

Technology Type	Tested Version
Java AWT/Swing (including Java Foundation Classes)	Java 6, Java 7, Java 8
Java SWT	Java 6, Java 7, Java 8 Silk Test 18.5 has been tested with Java SWT version 3.2 or later. Silk Test supports standalone and Rich Client Platform (RCP) applications.
SAP*	SAPGUI client 7.10, SAPGUI client 7.20, SAPGUI client 7.30, SAPGUI client 7.40, SAPGUI client 7.50
Rumba	8.1, 8.2, 8.3, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5
Visual COBOL	

Technology Type	Tested Version
Win 32	any
WinForms	.NET 3.0, 3.5, 3.5 SP1, 4.0, 4.5, 4.6
WPF	.NET 3.5 SP1, 4.0, 4.5, 4.6

* To avoid issues when testing SAP applications, Micro Focus recommends installing the latest patch set.

Silk Test Workbench

Silk Test 18.5 has been tested with the following databases for Silk Test Workbench asset storage:

- Microsoft SQL Server 2008 (SP2) + Express
- Microsoft SQL Server 2012
- Microsoft SQL Server 2012 SP1
- Microsoft SQL Server 2014
- Microsoft SQL Server 2016
- Microsoft SQL Server 2017
- Oracle 11.1.

    Note: The Oracle 11 ODBC driver needs to be at least at patch level 4 (11.2.0.4.0). Oracle patch 13390677 includes the correct driver. You can download the patch from *Here*.
- Oracle 11.2

    Note: The Oracle 11 ODBC driver needs to be at least at patch level 4 (11.2.0.4.0). Oracle patch 13390677 includes the correct driver. You can download the patch from *Here*.
- Oracle 12.1. Silk Test Workbench supports Oracle 12.1 databases with the AL32UTF8 character encoding.
- Microsoft Access 2000 (as a single-user database)

    Note: Micro Focus recommends using Microsoft SQL Server.

Silk4J

You can integrate Silk4J in Eclipse 3.7.2 or later, both 32 and 64 bit. Version 4.7 is shipped with Silk Test.

Silk4NET

You can integrate Silk4NET into the following editions of Microsoft Visual Studio:

Version	Editions
Visual Studio 2012	- Professional - Ultimate
Visual Studio 2013	- Community - Professional - Premium - Ultimate
Visual Studio 2015	- Community - Professional - Enterprise

Version	Editions
Visual Studio 2017	- Community - Professional - Enterprise

Silk Test Classic

Silk Test Classic's Data Driven Workflow has been tested with:

- Text files and comma separated value files (*.txt and *.csv files)
- MS Excel
- MS Access
- MS SQL Server
- Oracle (partial support)
- SyBase SQL Anywhere

Silk Test Classic accesses the preceding databases using ODBC and therefore has been tested with the versions of those databases that have a working ODBC driver.

The Silk Test Classic **Select Data Source** dialog box allows you to choose either the Silk DDA Excel or the Segue DDA Excel data source. For new data driven test cases, choose the Silk DDA Excel data source. Choose the Segue DDA Excel data source for backward compatibility. This allows existing .g.t files that reference Segue DDA Excel to continue to work.

> ⚠️ **Important:** Whilst we endeavour to keep pace with new releases and runtime versions of supported software and technology, the information given in this document is limited to what was known and could be tested at the point in time when this version of Silk Test was released. If you have questions about newer releases and versions of supported software or generally about software not mentioned here, please don't hesitate to contact Micro Focus for guidance.