MICRO FOCUS

Silk Test 21.0.1

Release Notes

Contents

Silk Test 21.0.1 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*.

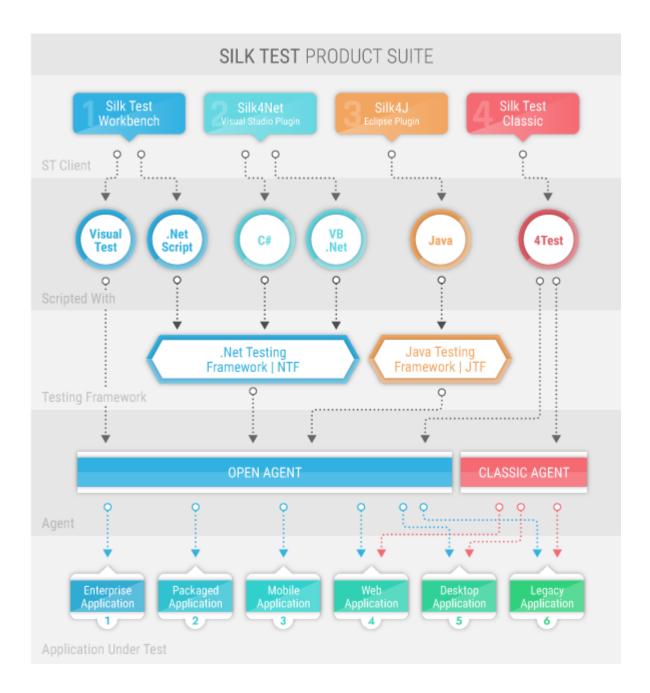For the latest version of this document, see *Release Notes*.

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	4 GB free memory.
Hard disk space	4 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 4.8 or later (Full setup).
- *Windows Update 3118401 for Universal C RunTime in Windows*.
- Depending on the bitness of the operating system of the machine on which you want to install Silk Test, you require the corresponding 32bit or 64bit Silk Test setup package.

What's New in Silk Test

Silk Test supports the following new features:

Image Verification with Cross-Platform Reporting

Verifications are a key aspect of functional testing, and now Silk Test can verify all available properties of an object - like a human being would - to visually compare parts of an application. To more easily spot what has changed in the application and is causing an image verification to fail, Silk Test 21.0 now includes an image difference viewer in a cross-platform result.

Automatic Browser Support

Because browsers like Chrome, Edge, Firefox or Opera see constant and frequent updates, it's critical to provide browser testing support in a short time frame without the hassle of having to manually update Silk Test for the whole test environment. Silk Test 21.0 can now automatically download all WebDriver files necessary to support a new browser version. For customers that are in a locked environment, those files can also be managed within an internal file location.

Standalone Recorder

The Action Recorder and LocatorSpy can now be started through the command line to manually integrate the seamless recording experience from any IDE like Visual Studio Code. The recorder will create Selenium-based scripts in Java, C#, VB or Silk Test-based scripts in Java, C#.

AutoPass Support

In addition to the Silk Meter license server, Silk Test 21.0 supports the AutoPass license server.

Usability Enhancements

Set position of Status Window

Silk Test Classic now offers the possibility to set a custom location for the Status Window. The location can now be configured for a maximum of five resolutions from which Silk Test Classic will choose and if none apply then the default one will be used.

Global Object support for VB.NET Debugging

For .NET tests, the Silk Test Workbench debugger can now expose global objects (objects declared at the module level).

Technology Updates

Silk Test now supports Microsoft Edge (Chromium-based) 81 to 92.

Silk Test now supports Java 14, 15.

Silk Test now supports SAPGUI client 7.60.

Silk Test now supports iOS 14 and Android 11.

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 fixed and the following enhancement requests have been implemented:

SI #	RPI #	Description
3208538	610540	[Enhancement] Ability to capture video while executing Silk Test script.
3210218	642562	[Silk Test Workbench] Out of disc space database message.
3108647	1109953	[Silk Test] [Enhancement] Pop-up a meaning full error message when computer goes to sleep.
3114527	1110294	Set position of Status Window.
3117926	1110562	[Silk Test Classic] or Internet Explorer and Firefox getting different results calling `InternetBrowser.`
3223954	1110588	[STWB] -Retrieve Script Name and Line Number to results for custom error handler.
3165307	1114819	[Silk Test Workbench] [Enhancement] Workbench VB.NET Debugger.
3173188	1115503	[Enhancement] Silk Test Workbench Condition Designer
3173190	1115505	[Silk Test Workbench] Request for enhancement to the error handler.
3173233	1115506	[Silk Test Workbench] Add the line number of the current action to the playback.
3173220	1115509	**Insert** > **Control From** should have an optional Object Map selector.
3176438	1115813	[Silk Test Workbench] [Enhancement] Request for a method to abort a test run.
3177776	1115892	[Enhancement] Request for a keep-alive function in the Open Agent.
3205852	1118275	[Silk Test Mobile] Ignoring one specific mobile device on runtime.
3205478	1118336	[STWB] Accurate value for **Result Details** column in the Result Asset Browser.
3210895	1118665	[Silk Test Workbench] Recognition lost/not working on iOS app with large list.
3211085	1118752	`desktop.waitForChildDisappearance(locator, timeout)` does not work with C#/WPF/De.
3212655	1118835	[Silk Test Workbench] Input parameter error handling not updated.
3214145	1118964	iOS 13.x poor replay performance.
3215031	1119034	[Silk4J] `The specified relative position...is outside of the objects rectangle`
3206529	1119072	Recording on Chrome fails.
3215226	1119074	[Silk Test Workbench] Workbench runs much slower on Chrome than on Internet Explorer.
3215456	1119075	Unable to insert object under root-node that contains wildcard character.
3221536	1119638	`SYS_GetEnv` behaving like `HOST_GetEnv.`
3222331	1119732	[Silk Test Classic] `InvokeBrowserBaseState` with Chrome takes 5 minutes to return.
3210801	1119734	[Silk Test Classic] `partner.ini` does not update correctly (cloned from 3208621).

SI #	RPI #	Description
3222865	1119782	[Silk4J] Safari browser on iOS device not found and timing out.
3223722	1119818	[Silk Test] AutoPass licensing - Silk Test crashes when server name is not correct.
3223620	1119820	Silk Performer *.testsettings file breaks Object Map loading.
3223621	1119836	[Silk4J] Unable to build webdriverAgent app in Xcode 11.4.
3224375	1119905	[Silk Test Workbench] New user can see assets from other projects on first logon.
3224623	1119989	[Silk Test] An unknown server-side error occurred.
3225348	1119998	[Silk Test Workbench] Cannot modify asset description in workbench 20.5 HF1.
3224252	1120017	[Silk Test Workbench] Database Upgrade - missing end of message.
3224594	1120034	[Enhancement] Update Android emulator documentation to point to Google docs.
3226277	1120124	[Silk Test Workbench] **Configure** button on login screen should be disabled.
3226823	1120158	[Silk Test Workbench] When editing the description the script disappears.
3226868	1120192	[Silk Test Workbench] Enquiry on how to Enhance Security with Java-based Encrypt.
3226716	1120198	Silk Test support of 2k resolution phones.
3228889	1120371	[Silk Test Workbench] Project duplication - error Database: requested access not.
3230442	1120477	The *Duplication* help topic is missing information.
3230443	1120478	The *Project deletion* help topic is missing information.
3230438	1120479	The *Duplicating Projects* help topic missing some steps.
3231387	1120602	JQuery vulnerability - cross-site scripting.
3229017	1120608	ActiveData cell value not retained.
3237895	1121533	[Silk Test Workbench] Workbench crashes when executing scripts on customers env
3244107	1121910	[STWB] Upgrade to ST 21.0 - Missing Web Driver Application with Chrome 87
3244411	1121986	[Silk Test] How can I set it to allow access location?
3245903	1122048	[Silk Test classic] ST Classic Locators compatibility issue.
3235038	1120982	[Silk4J] Performance problem when testing React Native app with WebView(See 3183
3239225	1121385	CTRL+Z (Undo) Not Working in Visual Test
3218211	1119597	[Silk Test Workbench] System Exception: Error executing 'CaptureFullPageBitmap'
3104468	1109226	[Silk Test Workbench] Require Programmatic way to set Options > Playback -> Gener
OCTIM17D5 77085		Silk4J/Silk4Net: Chrome Crash when automating File Explorer within Chrome 87 application
OCTIM17D5 99140		[Silk Test Workbench] Workbench crashes at the end of each execution
OCTIM17D5 98171		[Silk Test Workbench] Vertikales Scrollen im Text geht zu langsam
OCTIM17D6 18072		[Silk Test Classic] Chrome closes when attempting to record locators
OCTIM17D6 21073		[STWB] Visual Test changes not saved
OCTIM17D6 22138		Silk Test execution, WPF Button Click statement is crashing Quickbooks 64bit application

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 Customer Support to resolve your issues, or email supportline@microfocus.com.

Visit Micro Focus Customer Support 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 Customer Support

When contacting Micro Focus Customer Support, please include the following information if possible. The more information you can give, the better Micro Focus Customer Support 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 for Silk Test.

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

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

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 21.0 requires a Silk Test 21.0 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. **Note:** To upgrade your license to a Premium license, visit *http://www.microfocus.com*.

Licensing Mode	Application Type
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 21.0 has been tested.

Operating Systems

Silk Test 21.0 has been tested with the following operating systems:

- Microsoft Windows 8.1 (No Windows Store apps)
- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 R2
- Microsoft Windows 10
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019

Web Applications

For the Open Agent, Silk Test 21.0 has been tested with the following browsers and web technologies:

Technology Type	Tested Version
Mozilla Firefox**	70-91***
Google Chrome**	79-92
Chrome for Android	
Original Stock Android Browser (AOSP)	
Apple Safari on iOS	9, 10.1, 11, 12, 13, 14
Apple Safari on Mac	9, 10.1, 11, 12, 13, 14
Mac OS (Used for testing Apple Safari or iOS)	10.12.6, 10.13, 10.14, 10.15
Internet Explorer	10, 11
Microsoft Edge Legacy	Windows 10 October 2018 Update (44.17763)
	Windows 10 May 2019 Update (44.18362)
Microsoft Edge (Chromium-based)	81-92
Opera	71
Android	5.x, 6.x, 7.x, 8.x, 9.x, 10.x, 11.x
iOS	11.x, 12.x, 13.x, 14.x
	Note: up to (including) 14.3
Xcode	Xcode 10.x, Xcode 11.x, Xcode 12.x
	Note: up to (including) 12.3
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 Silverlight. Whilst we endeavour to maintain the highest levels of

Technology Type	Tested Version
	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 21.0 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)
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 21.0 until the release date of Silk Test 21.0. Nevertheless, Silk Test 21.0 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 21.0 has been tested with the following mobile operating systems:

Technology Type	Tested Version
Mac OS (Used for testing Apple Safari or iOS)	10.12.6, 10.13, 10.14, 10.15
Android	5.x, 6.x, 7.x, 8.x, 9.x, 10.x, 11.x
iOS	10.x, 12.x, 13.x, 14.x
	Note: up to (including) 14.3

Desktop Applications

For the Open Agent, Silk Test 21.0 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 11, Java 13, Java 14, Java 15
Java SWT	Java 6, Java 7, Java 8, Java 11, Java 13, Java 14, Java 15 Silk Test 21.0 has been tested with Java SWT version 3.2 or later. Silk Test supports standalone and Rich Client Platform (RCP) applications.
JavaFX	Microsoft Windows 8 or later.
SAP*	SAPGUI client 7.10, SAPGUI client 7.20, SAPGUI client 7.30, SAPGUI client 7.40, SAPGUI client 7.50, SAPGUI client 7.60
Rumba	8.1, 8.2, 8.3, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5
MFC	14.11

Technology Type	Tested Version
Visual COBOL	
Win 32	any
WinForms	.NET 3.5 SP1, 4.0, 4.5, 4.6, 4.7, 4.8
WPF	.NET 3.5 SP1, 4.0, 4.5, 4.6, 4.7, 4.8

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

Silk Test Workbench

Silk Test 21.0 has been tested with the following databases for Silk Test Workbench asset storage:

- 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.
-   **Note:** Version 19 of the Oracle ODBC driver is not supported.

- Microsoft Access 2000 (as a single-user database)

  Note: Micro Focus recommends using Microsoft SQL Server.

Silk4J

You can integrate Silk4J in Eclipse 4.4.2 or later, both 32 and 64 bit. Version 4.9 is shipped with Silk Test.

To work with Silk4J, Java 8 or later is required to be installed on the system where Silk4J is installed.

Silk4NET

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

Version	Editions
Visual Studio 2017	• Community • Professional • Enterprise
Visual Studio 2019	• 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.