



Silk Test 17.5

Release Notes

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Silk Test 17.5 Release Notes

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

For the latest version of this document, see [Release Notes](#).

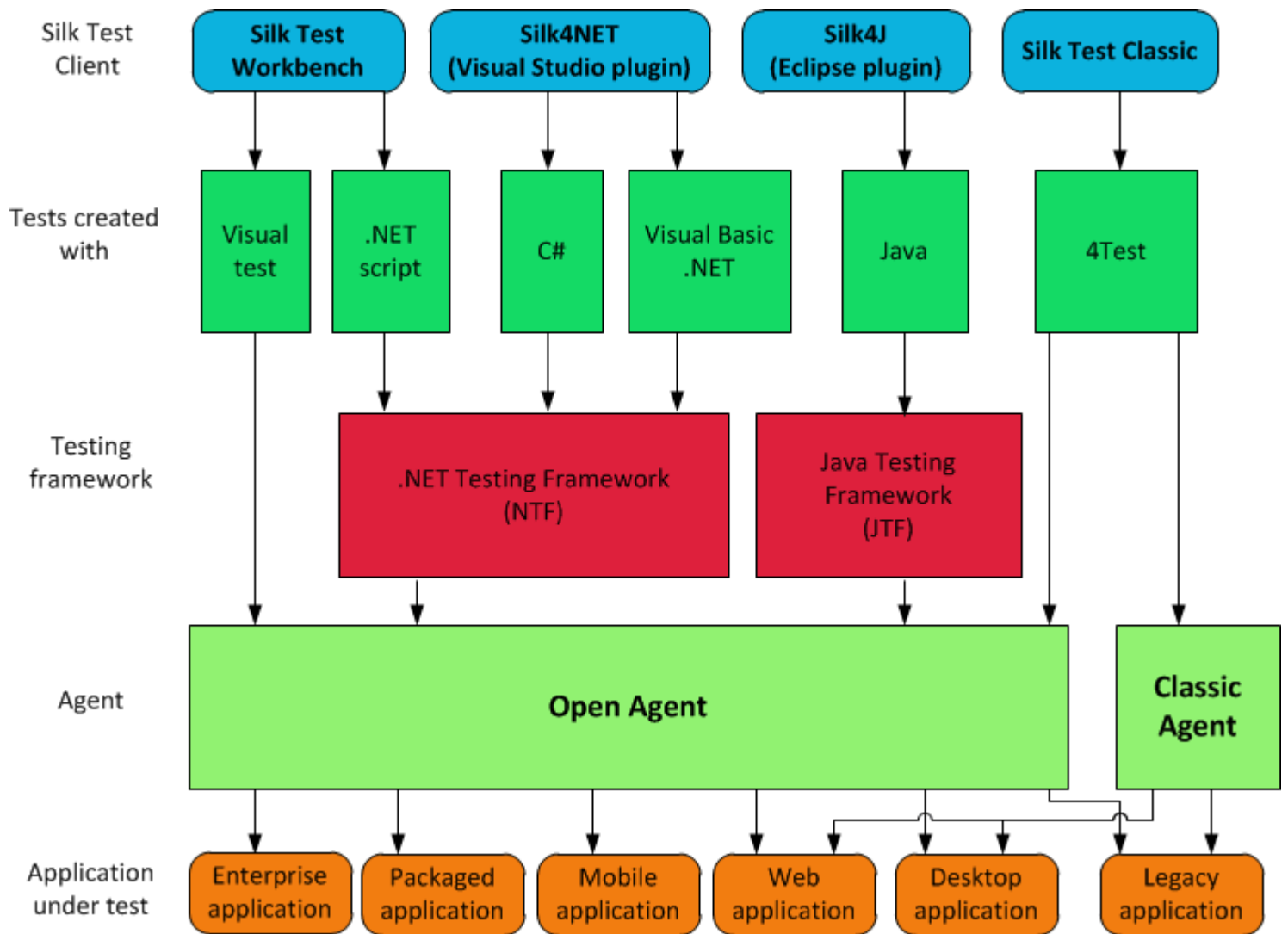
Navigate to supportline.microfocus.com for further assistance from Customer Care.

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.



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](#)

Installation Instructions

For information about installation and licensing issues, refer to the [Silk Test Installation Guide](#).

What's New in Silk Test

Silk Test supports the following new features:

Mobile Device Live View

Do you need to see what is currently happening on a mobile device, even if the device is in another room, another building, or even another country? While you record or replay on a mobile device or emulator, Silk Test mirrors the display of the mobile device on the desktop, enabling you to see every action that is performed on the device in real time.

Testing Hybrid Mobile Applications

Hybrid mobile applications (apps) use web technologies wrapped in native mobile apps to ease building cross-device compatible apps. Silk Test now supports testing such apps on Android and iOS, by exposing both the full Silk Test browser testing API as well as the full native mobile API.

Enhanced Cross-Browser Testing

Silk Test 17.5 features the following cross browser enhancements:

- To enable you to incorporate the browser-specific features of Google Chrome in your web application testing, Silk Test 17.5 introduces action and locator recording support for Google Chrome.
- With Silk Test 17.5, the replay performance of cross-browser scripts in Mozilla Firefox, Google Chrome, and Microsoft Edge is significantly improved.

Using Devices and Browsers that are Managed by Silk Central

You can now execute your mobile and web tests on mobile devices and browsers that are managed by Silk Central. Just add Silk Central as a remote location and start testing on all managed devices and browsers.

Usability Enhancements

This section lists usability enhancements that have been made in Silk Test 17.5.

Enhanced action recording for mobile and web applications

Silk Test enables you to record the default action for an object without having to choose. This makes action recording faster and easier. While recording actions against a mobile application or a web application in Microsoft Edge, Mozilla Firefox, Google Chrome, or Apple Safari, you no longer have to select every action in the **Choose Action** dialog. However, the **Choose Action** dialog continues to open for objects that do not offer a default action, for example text fields, and you can still open the **Choose Action** dialog by right-clicking on any object.

Adding test logic based on whether a control exists

Testing a workflow in the UI of your application can often involve UI elements that not always exist. For example, a confirmation button that only needs to be pressed the first time a specific action is executed. In Silk Test Workbench, you can now add decision logic, repetition logic, or verification logic to a test based on whether a control exists or does not exist.

Duplicating projects

To baseline or store a specific state of a project, including all assets, you can now duplicate the project in Silk Test Workbench.

Updating all screens in a visual test

If your application under test has changed significantly since the last time you have successfully ran a specific visual test against it, you might want to update all screens in the test from the application. With Silk Test 17.5 you can open a result file and simply update all screens in the test.

Disabling remote locations

To decrease the amount of browsers and devices displayed in the **Select Application** dialog, you can now enable or disable the remote locations in the **Edit Remote Locations** dialog. When disabling a location, the installed browsers and connected devices are no longer displayed in the **Select Application** dialog.

Multiple application domain support for WPF

Multi application domain enables you to design and implement secure .NET WPF applications. Silk Test now supports testing WPF applications that use multiple application domains.

Ignoring specific WPF classes

To generate compact and easy to read locators for WPF controls, you can now specify any WPF classes that Silk Test should ignore as transparent classes.

Clicking on a specified location on an image

When you perform an image click, Silk Test by default clicks into the center of the image asset. This might not always be the best choice. With Silk Test 17.5, you can specify the exact location on which clicks should be performed in the image asset UI.

Customizing TrueLog file names

You can now add placeholders to the TrueLog file name. These placeholders are replaced with the appropriate data at execution time.

Enhanced results for mobile and web test runs

For mobile test runs and web test runs, the **Summary** page of the test result in Silk Test Workbench now includes additional details, for example about the browser, the mobile device, or the native mobile application under test.

API Enhancements


This section lists API enhancements that have been made in Silk Test 17.5.

Setting the geographic location of a mobile device

You can now use the `SetLocation` method of the `MobileDevice` class to set the geographic location of a mobile device.

Testing cross-domain IFrames with Google Chrome

To test cross-domain IFrames with Google Chrome 49 or later, you do no longer have to set the options `OPT_XBROWSER_GOOGLECHROME_USER_DATA_DIR` and `OPT_XBROWSER_GOOGLECHROME_SECURE_ORIGINS`. Silk Test now supports testing such IFrames with Google Chrome out-of-the-box.

 **Note:** As these options have been removed from Silk Test, remove any code for setting these options from any existing scripts for cross-domain IFrame testing with Google Chrome.

Technology Updates

This section lists the significant technology updates for Silk Test 17.5.

Microsoft Windows 10 Anniversary Update

With Silk Test 17.5, you can leverage your test set by simply executing all your existing functional, regression, and localization tests on Microsoft Windows 10 Anniversary Update.

Additionally, Silk Test 17.5 offers support for Microsoft Edge 38.14393, the new browser version for Microsoft Windows 10 Anniversary Update.


Microsoft SQL Server Support

Silk Test Workbench now supports Microsoft SQL Server 2016.

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 been tested for recording and replay with the following new versions of Mozilla Firefox:

- Mozilla Firefox 47
- Mozilla Firefox 48
- Mozilla Firefox 49

 **Note:** This list includes the new versions of Mozilla Firefox that have been tested with Silk Test 17.5 until the release date of Silk Test 17.5. Silk Test 17.5 should be able to support newer versions of Mozilla Firefox, even if these versions have been released after the release date of Silk Test 17.5.

Google Chrome Support

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

- Google Chrome 51
- Google Chrome 52
- Google Chrome 53
- Google Chrome 54



Note: This list includes the versions of Google Chrome that have been tested with Silk Test 17.5 until the release date of Silk Test 17.5. Silk Test 17.5 should be able to support newer versions of Google Chrome, even if these versions have been released after the release date of Silk Test 17.5.

Android Support

In addition to the Android versions, which have been tested with the previous version of Silk Test, Silk Test now includes support for mobile web applications and native mobile applications for the following operating systems:

- Android 7.0

Eclipse Support

Silk4J now supports Eclipse Neon (4.6).

Java SWT Support

Silk Test now supports Java SWT 4.6 standalone and Rich Client Platform (RCP) applications.

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	<i>Known Issues for Silk Test Workbench</i>
Silk4J	<i>Known Issues for Silk4J</i>
Silk4NET	<i>Known Issues for Silk4NET</i>
Silk Test Classic	<i>Known Issues for Silk Test Classic</i>

Resolved Issues

The following issues have been resolved:

Issue #	Description
RPI 621111	Silk Test 17.0 does not work with Chrome for Android 51.
RPI 622921	The Silk Test iOS support stops working when updating to iTunes 12.5.1.21.
RPI 1104759	Silk Test Workbench: Not passing optional input parameters to a keyword might result in wrong parameters being used during playback.
RPI 1104787	Silk Test Classic: Executing a test plan might result in duplicate test cases being added to the TrueLog file.
RPI 1105093	Silk Test Workbench 16.5 Hotfix 3 might stop working when inserting a .NET script into a visual test.
RPI 1105236	Silk Test Workbench 17.0 might stop working when playing back the same test multiple times from another test or from a framework.
RPI 1105332	Silk Test Workbench might cause the COLLIS Test Manager to throw an exception.
RPI 1105340	Silk Test Workbench 17.0: The option Debug > Run from Cursor is disabled from a visual test.
RPI 1105399	Rectangles might be displayed wrongly when the application under test is maximised.
RPI 1105444	Silk Test Classic 17.0: <code>ResExportOnClose</code> results in error <code>Can't export results file</code> .
RPI 1105453	Silk Test Classic 17.0: <code>SYS_CompareBinary</code> is not working for the Classic Agent.
RPI 1105488	Silk4J: The <code>setFocus</code> method of the <code>JComboBox</code> class throws an exception when used on an editable combobox.
RPI 1105637	Silk Test Classic might stop working when adding a new file or folder to the project tree.
RPI 1106151	Silk Test Workbench might throw an item not found exception when calling the <code>Expand</code> method against a <code>WPFTreeView</code> .
RPI 1106256	Replaying a test case after recording on an Android device might result in an error.
RPI 1106396	Silk4J: When recording a <code>DomListBox</code> with <code>OPTGROUP</code> , calling <code>Select</code> against the <code>DomListBox</code> might return an empty list.
RPI 1106475	Silk Test Classic: Calling <code>Select</code> against a <code>JComboBox</code> might result in an error.

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 17.5 requires a Silk Test 17.5 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	<ul style="list-style-type: none"> • Mobile web applications. <ul style="list-style-type: none"> • Android • iOS • Native mobile applications. <ul style="list-style-type: none"> • Android • iOS
Full	<ul style="list-style-type: none"> • Web applications, including the following: <ul style="list-style-type: none"> • Apache Flex • Java-Applets • Mobile web applications. <ul style="list-style-type: none"> • 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 <p> Note: To upgrade your license to a Full license, visit www.borland.com.</p>
Premium	All application types that are supported with a <i>Full</i> license, plus SAP applications.

Licensing Mode	Application Type
	 Note: To upgrade your license to a Premium license, visit www.borland.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 17.5 has been tested.


Operating Systems


Silk Test 17.5 has been tested with the following operating systems:

- Microsoft Windows Vista SP2
- 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)

Web Applications

For the Open Agent, Silk Test 17.5 has been tested with the following browsers and web technologies:

Technology Type	Tested Version
Mozilla Firefox**	38 (ESR*), 39, 40, 41, 42, 43, 44, 45 (ESR*), 46, 47.0.1, 48***, 49***
Google Chrome**	45, 46, 47, 48, 49, 50, 51, 52, 53, 54
Chrome for Android	
Original Stock Android Browser (AOSP)	
Apple Safari on iOS	
Apple Safari on Mac	
Mac OS (Used for testing Apple Safari or iOS)	10.11.3, 10.12
Internet Explorer	8, 9, 10, 11
Microsoft Edge	RTM build (10240), Windows 10 Anniversary Update (38.14393)
Android	4.4, 5, 5.1, 6.0, 7.0
iOS	8.1, 8.2, 8.3, 8.4, 9.0, 9.1, 9.2, 9.3
Xcode	Xcode 6, Xcode 7
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 support for our customers, we are occasionally limited in the support we can obtain from Microsoft on this platform.

Technology Type	Tested Version
Apache Flex	<p>Silk Test 17.5 has been tested with Apache Flex version 3.5 to Apache Flex version 4.14.1, using all supported browsers and Adobe AIR 2.0 or later (built with Apache Flex 4.x)</p> <p> Note: Silk Test does not support testing child domain technologies, including Apache Flex, for Web applications running in Google Chrome.</p> <p>Silk Test supports Adobe Flash Player 10 or later.</p>
Java Applets	Silk Test supports Applets for Internet Explorer and for versions of Mozilla Firefox that are prior to or equal to Mozilla Firefox 40.
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 17.5 until the release date of Silk Test 17.5. Nevertheless, Silk Test 17.5 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 48 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 17.5 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, 5.1, 6.0
iOS	8.1, 8.2, 8.3, 8.4, 9.0, 9.1, 9.2, 9.3

Desktop Applications

For the Open Agent, Silk Test 17.5 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 1.6, Java 1.7, Java 1.8
Java SWT	<p>Silk Test 17.5 has been tested with Java SWT version 3.2 or later.</p> <p>Silk Test supports standalone and Rich Client Platform (RCP) applications. SWT standalone applications executed as an applet in the browser are not supported.</p>
SAP*	SAPGUI client 7.10, SAPGUI client 7.20, SAPGUI client 7.30, SAPGUI client 7.40
Rumba	8.1, 8.2, 8.3, 9.0, 9.1, 9.2, 9.3, 9.4
Visual COBOL	
Win 32	any

Technology Type	Tested Version
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 17.5 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
- 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 4.6 is shipped with Silk Test.

Silk4NET

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

Version	Editions
Visual Studio 2010	<ul style="list-style-type: none"> • Professional • Ultimate
Visual Studio 2012	<ul style="list-style-type: none"> • Professional • Ultimate
Visual Studio 2013	<ul style="list-style-type: none"> • Community • Professional • Premium • Ultimate
Visual Studio 2015	<ul style="list-style-type: none"> • Community • Professional • Enterprise



Note: Silk4NET does not support keyword-driven testing in Visual Studio 2010.

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.



Note: 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.