



Silk Test 15.0 Silk4NET Web Edition

Release Notes

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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 [Installation Guide](#).

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

Navigate to [Micro Focus SupportLine](#) for further assistance from Customer Care.

System Requirements and Prerequisites

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

Hardware Requirements

We recommend the following hardware requirements:

System Area	Requirement
Processor	Intel or AMD DualCore processor running at 2 GHz
RAM	2 GB
Hard disk space	2 GB of free disk space

Installation Instructions

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

What's New in Silk4NET Web Edition

This section lists the significant enhancements and changes that were made for Silk4NET Web Edition.

Microsoft Windows 8.1 Support

You can now test your applications with Silk Test in Microsoft Windows 8.1.



Note: Metro apps are not supported.

Easy Record and Replay

The new unified workflow makes it easy to record and replay scripts against any application. This guarantees a much better script, as you can select what should be in the script during the actual recording.

Extend Existing Tests

Do you have a test that is incomplete or needs to be extended to include additional workflows? Simply press the **Record Actions** button within the existing test and all the recorded actions are added to the test.

Chinese Localization

The Silk4NET UI and the Release Notes are now available in simplified Chinese.

Microsoft Visual Studio 2013

You can now integrate Silk4NET into Microsoft Visual Studio 2013 Professional to test your applications.

Internet Explorer Support

Silk Test now includes recording and playback support for applications running in:

- Internet Explorer 11

Mozilla Firefox Support

Silk Test now includes playback support for applications running in:

- Mozilla Firefox 22
- Mozilla Firefox 23
- Mozilla Firefox 24
- Mozilla Firefox 25
- Mozilla Firefox 26

- Mozilla Firefox 27
- Mozilla Firefox 28

Google Chrome Support

Silk Test now includes playback support for applications running in:

- Google Chrome 28
- Google Chrome 29
- Google Chrome 30
- Google Chrome 31
- Google Chrome 32
- Google Chrome 33

Apache Flex Support

Silk Test now supports Apache Flex 4.10 applications.

Known Issues

This section identifies Silk Test's known issues and their resolutions.

General Issues

Object Map Takes a Long Time to Open

If you have a large object map asset it takes a long time to load when you are using .NET 4. Install .NET 4.5 to resolve this issue.

When a remote desktop or remote desktop connection (RDC) is minimized, Silk Test does not function

When you connect through the remote desktop protocol (RDP) to a desktop, you take ownership of the desktop by attaching to the desktop with your mouse and keyboard. If the desktop is minimized without ownership of the desktop being released, any playback of mouse clicks or keystrokes is undefined.

The recommended configuration is to run Silk Test on a VMWare-server and connect through VMWare-client software. This allows replay to continue even if the client has been closed.

The Open Agent does not start when the Check Point firewall is installed

When you have a Check Point firewall or a Check Point ZoneAlarm firewall installed on your system, the Open Agent cannot be started, because the firewall interrupts the communication between the Agent and the infoservice.

To start the Open Agent, you have to uninstall the Check Point firewall from your system.

The `modifiers` parameter in the `domDoubleClick` method is ignored

You cannot specify the modifier in the overloaded `domDoubleClick` method. The modifier will not be double-clicked, although you have specified the parameter. The overloaded `domDoubleClick` method, which allows you to specify the modifier, is deprecated. To specify the modifier, you can use the `doubleClick` method, if you are using a client that supports an overloaded method with the `modifiers` parameter, or the `PressKeys` and `ReleaseKeys` methods.

The built-in spell checking in Microsoft Windows 8 might interfere with the replay of tests

The built-in spell checking in Microsoft Windows 8 can be enabled in applications like Internet Explorer 10.

If a word was incorrectly spelled during recording, and you replay typing this word, the spell checker will either mark it, or for commonly misspelled words will automatically fix it, which is the same behaviour a real user would get. If your tests were created on an operating system that did not include the spell checking feature, you might get unexpected results when replaying the tests on Microsoft Windows 8. To disable the spell checking, you can do the following:

1. Press **Windows Key + C**.
2. On the Charm bar, click **Settings**.
3. Select **More PC Settings**.
4. Select **General** to see the Spelling selections.



Note: These are system-wide settings, not settings specific to Internet Explorer 10.

5. Set **Autocorrect misspelled words** to off.
6. Set **Highlight misspelled words** to off.

When a .NET application is started from DevPartner Studio (DPS), Silk Test might not recognize it

To resolve the issue, perform the following steps:

1. Go to the Silk Test installation folder (by default, it's located at: C:\Program Files\Silk\Silk Test).
2. For Windows Forms applications, go to ng\agent\plugins\com.borland.fastxd.techdomain.windowsforms.agent_<version number>.
3. For Windows Presentation Foundation (WPF) applications, go to ng\agent\plugins\com.microfocus.silktest.techdomain.wpf.agent_<version number>.
4. In Notepad, open the file plugin.xml, and add the following line to the <loadparameters> section:

```
<param name="frameworkAssembly">mscoree.dll</param>
```
5. Go to the ng\agent folder in the Silk Test installation folder (by default, it's located at: C:\Program Files\Silk\Silk Test\ng\agent).
6. In Notepad, open openagent.ini and add -clean as the first line of the file.
7. Log out of the computer, and then log back in. Silk Test works as expected with the application that was started by DevPartner Studio.

The highlighting rectangle is out of place when recording clicks on an area of an image

When you record a click on a part of a complex image, for example an area map, the green highlighting rectangle does not highlight the appropriate area of the image. However, the click will be executed correctly during replay.

Recording with a zoom level different to 100% might not work properly

Recording a Web application with a zoom level different to 100% might not work as expected. Before recording actions against a Web application, set the zoom level in the browser to 100%.

Microsoft Windows 8 and Microsoft Windows Server 2012: Tooltips or context menus might cause modal dialog boxes to disappear

If you are using Silk Test on a machine with Microsoft Windows 8 or Microsoft Windows Server 2012, modal dialogs might move to the background when you view a tooltip or a context menu. This can cause some problems during recording and replay. For additional information about this issue, see <http://social.msdn.microsoft.com/Forums/vstudio/en-US/e5115c89-1f7e-430c-a62d-9a6bc2683eb1/tooltip-causes-modal-dialog-box-to-disappear-on-windows-8-and-ws2012?forum=wpf>. This issue is already fixed, and you can avoid this behavior by updating to .NET 4.5.1.

Silk4NET

If you do not have a TrueLog result file after test execution make sure that:

- A Silk4NET project which is created in Visual Studio 2010 is executed within a Visual Studio 2010 environment (also when executed via the command line or Team Foundation Server).
- A Silk4NET project which is created in Visual Studio 2012 is executed within a Visual Studio 2012 environment (also when executed via the command line or Team Foundation Server).
- The test class contains the `SilkTestClass` attribute.
- You have write access to the location where the TrueLog file will be created.

If you get the following error message during replay "Unit Test Adapter threw exception..." make sure that:

- A Silk4NET project which is created in Visual Studio 2010 is executed within a Visual Studio 2010 environment (also when executed via the command line or Team Foundation Server).
- A Silk4NET project which is created in Visual Studio 2012 is executed within a Visual Studio 2012 environment (also when executed via the command line or Team Foundation Server).

How to migrate from a Silk4NET project created in VS2010 to VS2012:

- Open the solution in VS2012.
- Change the target framework of your Silk4NET project(s) to .NET Framework 4.5.
- Remove the Reference `SilkTest.Ntf.VisualStudio2010.UnitTestingExtension` from your Silk4NET projects
- Add the reference `SilkTest.Ntf.VisualStudio2012.UnitTestingExtension` to your Silk4NET projects.

When you are using object maps, existing locators that do not start with a slash will no longer work

Locators that include only a class name and that do not start with a slash, for example `PushButton`, will no longer work if object maps exist. This issue might result in breaking existing scripts that were created in a Silk Test version prior to Silk Test 14.0. For the previous example the script will fail with the following error:

Identifier 'PushButton' was not found in the Object Map.

More complex locators that include more than a class name, for example `PushButton[@caption=OK]` will continue to work, even if object maps exist.

To fix this issue, add a `//` to the start of any such locator. For example, if the locator `PushButton` in the following code does no longer work:

```
PushButton button = mainWindow.find("PushButton");
```

Change the code to:

```
PushButton button = mainWindow.find("//PushButton");
```

Internet Explorer

Using Google toolbar interferes with recording Web applications

Using the Google toolbar with Internet Explorer 8 interferes with recording locators for Web applications.

Turn off the Google toolbar before you record Web applications.

The Open Agent cannot have high elevation enabled when UAC is enabled on Microsoft Windows 8 or later and Internet Explorer 11

You cannot test a Web application in Internet Explorer 11 on Microsoft Windows 8 or later and have UAC enabled and run both Internet Explorer and the Open Agent with high elevation.

Mozilla Firefox

Calls into applications using Adobe FlashPlayer do not properly synchronize in the latest versions of Mozilla Firefox

When you are using Mozilla Firefox with a recent Adobe FlashPlayer version, some calls might not synchronize properly. The following issues might occur:

- Mozilla Firefox might falsely recognize a running script as stalled and might display a confirmation dialog box asking whether you want to continue the execution of the script, even though the script is running properly.
- Typing characters might not work because `SetFocus` is no longer working correctly.
- The Adobe automation might return an old value although the UI already shows a new value.

If you face one or more of these issues with applications using Adobe FlashPlayer, turn off the ProtectedMode in Adobe FlashPlayer. For additional information, see <http://forums.adobe.com/thread/1018071> and read the information provided under *Last Resort*.

Text recognition might have the wrong offset in Mozilla Firefox 17

In Mozilla Firefox 17, text recognition might not use the correct offset. In such a case, the content of Mozilla Firefox is not redrawn.

Text recognition does not work with Mozilla Firefox 18 or later

In Mozilla Firefox 18 or later, text recognition does not work.

Google Chrome

Error in WaitForProperty on Google Chrome

You may get a `ReplayException` error when doing an action that causes navigation to a new page, and then use `waitForProperty` for synchronization on an object that exists on both pages. A workaround for the defect is to do the action, then a `Find` on an object which only exists on the new page, and then do the `WaitForProperty` if still necessary.

Silk Test does not recognize the Log In and Cancel buttons in the authentication dialog box of Google Chrome

Silk Test does not recognize the **Log In** and **Cancel** buttons in the authentication dialog box of Google Chrome. Use one of the following solutions to work around this limitation:

- Specify the username and the password in the URL of the website that you want to test. For example, to log in to the website `www.example.com/loginrequired.html`, use the following code:

```
http://myusername:mypassword@example.com/loginrequired.html
```

- Use `TypeKeys` to enter the username and password in the dialog box. For example, use the following code:

```
desktop.find("//Window[@caption='Authentication Required']/Control[2]").TypeKeys("myusername")
desktop.find("//Window[@caption='Authentication Required']/Control[1]").TypeKeys("mypassword<Enter>")
```



Note: `Control[2]` is the username field, and `Control[1]` is the password field. The `<Enter>` key at the end of the second `TypeKeys` confirms the entries in the dialog box.

OpenTab does not work properly with Google Chrome

When you use `OpenTab` while testing an application in Google Chrome, the automation interface of Google Chrome might stop responding and you might have to restart Google Chrome.

Locator recording in windows fails with Google Chrome

When you are testing a Web application in Google Chrome, locator recording in windows fails when multiple windows are open during application configuration in the Google Chrome instance, in which the

application is running. If you close the other Google Chrome windows during application configuration, the error will not appear.

You cannot use Google Chrome to test Web sites that are using a Prototype JavaScript framework version previous to version 1.7

This is an issue in the Prototype JavaScript framework, where in framework versions previous to 1.7 arrays are incorrectly JSONified. This affects the internal domAutomation object of Google Chrome, on which the Google Chrome testing environment and the Silk Test implementation rely, and leads to a wrong behavior of Google Chrome during testing. This issue has been fixed in Prototype JavaScript version 1.7 or later.

To use Google Chrome to test web sites that are using the Prototype JavaScript framework, update Prototype JavaScript to version 1.7 or later.

Background applications in Google Chrome prevent automation support from loading

When you want to test a Web application with Google Chrome and the **Continue running background apps when Google Chrome is closed** check box is checked, Silk Test cannot restart Google Chrome to load the automation support.

Resolved Issues

The following issues have been resolved:

Issue #	Description
RPI 1089162	Saving referenced .NET script.
RPI 1089542	Some windows in a Java AUT do not open when the AUT is hooked by the Open Agent.
RPI 1089791	The Silk Test installer does not add Windows Firewall exceptions in Microsoft Windows 8.
RPI 1089890	Problems using <code>VerifyBitmap</code> method.
RPI 1089921	Using Silk Test 14.0 and the VMware vSphere client causes an <code>Object reference not set to an instance of object</code> error.
RPI 1090018	The image verification UI is hanging.
RPI 1090319	The image verification step does not return values to reserved variables.
RPI 1090369	Google Chrome crashes when calling <code>getUrl</code> .
RPI 1090498	Wrong behavior of the functions <code>DynamicInvokeMethods</code> and <code>InvokeMethods</code> .
RPI 1090716	Screen focus issue when adding screen verifications.
RPI 1090841	Silk4NET: Problem with object maps.
RPI 1092572	Silk4J : Bad allocation exception when <code>TrueLog</code> is enabled.
RPI 1092644	Silk Test cannot identify a <code>TreeView</code> using the Open Agent.
RPI 1092959	Silk Test Classic: <code>partner.exe</code> crashes when opening a file in a mapped drive.
DE5673	Locator Spy: The highlighting of elements in a browser is only working for one element.
DE6024	Internet Explorer 8 crashes when <code>isZoomed</code> is called in the About dialog box.
DE6974	Mozilla Firefox 24.3 does not work with Silk Test.
US12489	Show a message if the browser zoom factor is not 100%.

Licensing Information

Unless you are using a trial version, Silk Test requires a 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
Web	<p>Web applications, including Java-Applets.</p> <p> Note: If you are using a trial license, visit http://www.borland.com/store/silktestwebedition/silk4NET-webedition to buy a Web license.</p>
Web plus Flex	<p>Web applications, including the following:</p> <ul style="list-style-type: none"> • Apache Flex • Java-Applets <p> Note: To upgrade your license to a Web plus Flex license, visit www.borland.com.</p>
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 • Apache Flex • Java AWT/Swing • 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	<p>All application types that are supported with a <i>Full</i> license, plus SAP applications.</p> <p> Note: To upgrade your license to a Premium license, visit www.borland.com.</p>

 **Note:** To use a Full or a Premium license, you require a different setup package. The information in this document applies only to the Web Edition of Silk4NET. For a detailed overview of the capabilities of the Full and Premium offering, see [Release Notes](#).

Tested Software

This section lists the software with which Silk Test 15.0 has been tested.

Operating Systems

Silk Test 15.0 has been tested with the following operating systems:

- Microsoft Windows XP SP3
- Microsoft Windows Vista SP2
- Microsoft Windows 7
- Microsoft Windows 7 SP1
- Microsoft Windows 8
- Microsoft Windows 8.1

Web Applications

For the Open Agent, Silk Test 15.0 has been tested with the following browsers and Web technologies:

Technology Type	Tested Version
Mozilla Firefox (playback only)	17, 22, 23, 24, 25, 26, 27, 28
Google Chrome (playback only)	28, 29, 30, 31, 32, 33
Internet Explorer	8, 9, 10, 11
Apache Flex	 Note: You can only test Apache Flex applications with Silk4NET if you have a Web plus Flex license for Silk4NET. For additional information on the licensing modes, see <i>Licensing Information</i> . Silk Test 15.0 has been tested with Apache Flex version 3.5 or later using all supported browsers and Adobe AIR 2.0 or later (built with Apache Flex 4.x)  Note: Silk Test does not support testing child domain technologies, including Apache Flex, for Web applications running in Google Chrome. Silk Test supports Adobe Flash Player 10 or later.
Java Applets	Silk Test supports Applets for Internet Explorer and Mozilla Firefox.  Note: You can test Applet contents that are embedded into HTML, but you cannot test external dialogs and frames.
HTML5	

Silk4NET

You can integrate Silk4NET into the following versions of Visual Studio:

- Visual Studio 2010 Professional
- Visual Studio 2012 Professional
- Visual Studio 2013 Professional