Borland
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Silk Test 15.5

Release Notes

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2014-10-20

Contents

Silk Test 15.5 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*.

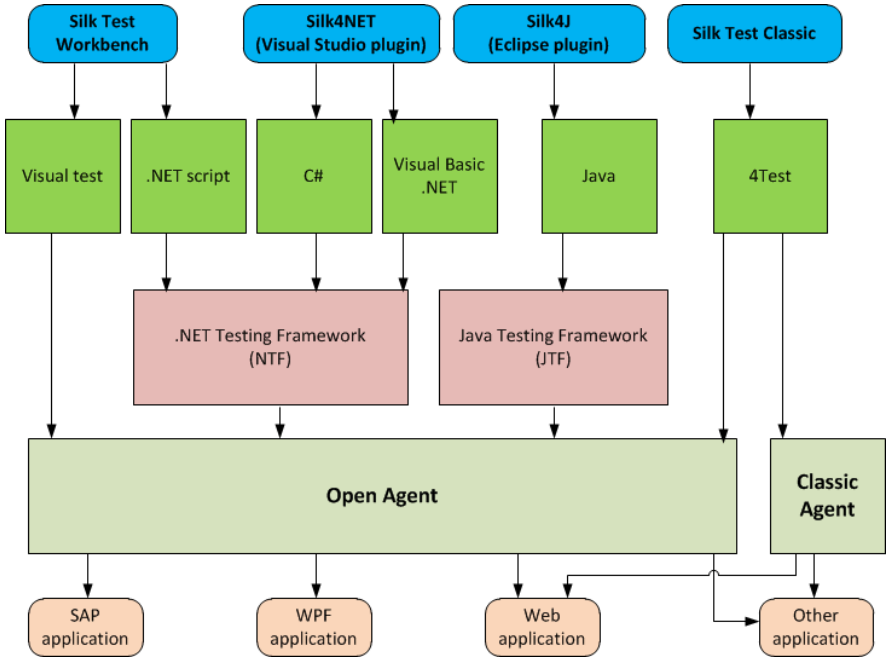
Navigate to *supportline.microfocus.com* for further assistance from Customer Care.

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 traditional, 4Test Silk Test product.
- 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 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

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

Software Requirements

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

- Microsoft .NET Framework 4 (Full setup)

Installation Instructions

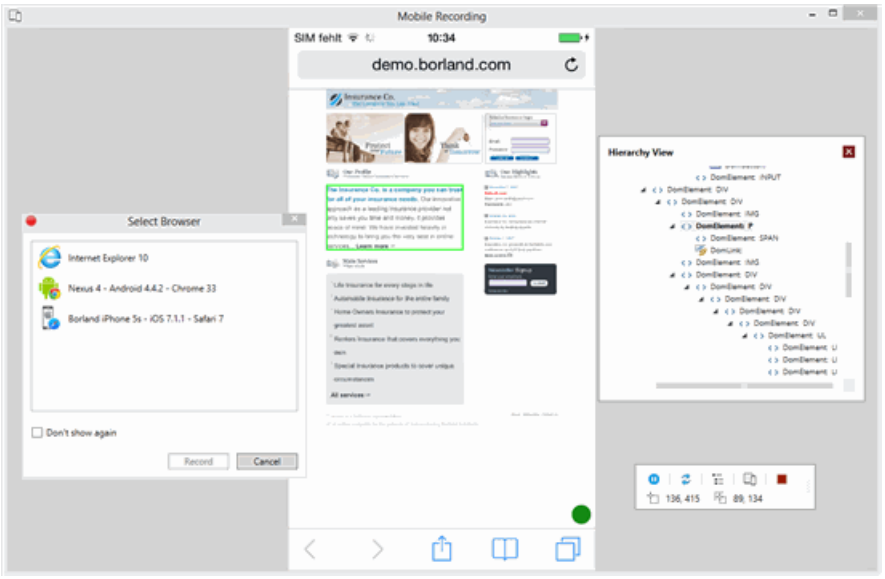
For information about installation and licensing issues, refer to the *Silk Test Installation Guide*.

What's New in Silk Test

Silk Test supports the following new features:

Testing Apple Safari in iOS

By introducing support for testing against Apple Safari in iOS, Silk Test now provides broad coverage of browsers for cross-browser testing. You can simply run your existing scripts against Apple Safari in iOS or you can create new scripts against iOS to ensure that your Web application fulfills all quality requirements. Silk Test performs all testing against genuine versions of all supported browsers, instead of simply simulating the browser behavior.



Enhanced Mobile Browser Support

Silk Test provides the easiest way of interacting with a mobile Web application:

- Silk Test now supports image recognition for testing mobile Web applications on all supported mobile browsers. With image recognition, you can create cross-browser tests that include actions like verifying an image, clicking on an image, or waiting for an image to display.
- Silk Test is now able to capture swipe gestures during recording.
- You do not need to manually calculate any coordinates for cross-browser testing, this calculation is done automatically to ensure that your test scripts are reliable and stable across multiple devices and browsers.

Usability Enhancements

This section lists usability enhancements that have been made in Silk Test 15.5.

Enhanced Custom Control Support

You can now also create custom classes for Java applications. With a few clicks, the new custom class is created and can be used during recording and replay. This class is used instead of the standard Silk Test class in all future tests. This is very helpful when handling complex or unusual interactions with the controls of your applications.

Easy interaction with multiple applications

You can now easily switch between applications within a single script. Silk Test now enables you to select the application with which you want to currently interact at any given time. You do no longer need to define the application that you want to test before the actual test.

Enhanced image verification

You can now click **Verify** to verify an image asset within the image asset UI.

Display the Local Variables window during playback

Both under **Tools** > **Options** > **General** and on the **Playback** dialog, you can now define whether you want Silk Test Workbench to display the **Local Variables** window during playback or not.

Unicode character support for TypeKeys

When testing mobile Web applications, you can now use Unicode characters for the `TypeKeys` method.

Using an existing browser instance for recording

When recording against a Web application, you can now choose to record against a Web page currently open in an existing browser instance.

Text recognition in Internet Explorer 11

You can now use the following text recognition methods in Internet Explorer 11:

- `TextCapture`
- `TextExists`
- `TextRectangle`

Clear all breakpoints in all open tests

In Silk Test Workbench, you can now use **CTRL+SHIFT+F9** to clear all breakpoints in all open visual tests and VB .NET scripts.

Debugging enhancements for .NET scripts

When you are debugging a .NET script in Silk Test Workbench, you can now step over selected sections of the test script as well as set the next statement with which the execution should continue.

Run base state

You can now use **Run Base State** to execute the base state from the menu and return your applications under test to their initial state before recording.

Stopping the Open Agent out of a script

You can now use the new `ShutDown` method of the `Agent` class to stop the Open Agent out of a script. This ensures that the agent does not continue running after test execution has ended.

Working with multiple console windows

You can now test multiple open console windows with Silk Test. For example, you can now use the new `CloseAll` method of the `ConsoleWindow` class to close all open console windows, or all console windows that have a specific caption.

Technology Updates

This section lists the significant technology updates for Silk Test 15.5.

Mozilla Firefox Support

Silk Test now includes playback support for applications running in:

- Mozilla Firefox 26
- Mozilla Firefox 27
- Mozilla Firefox 28
- Mozilla Firefox 29

Google Chrome Support

Silk Test now includes playback support for applications running in:

- Google Chrome 32
- Google Chrome 33
- Google Chrome 34
- Google Chrome 35

API Enhancements

Lists API enhancements that have been made in Silk Test 15.5.

Handling checked items in list views

When a list view displays check boxes on items, the `ListView` class now includes new methods and properties that enable you to verify whether these check boxes are checked and to check and uncheck the check boxes.

Interacting with multiple open command windows

You can now interact with multiple open command windows at the same time. The methods of the `ConsoleWindow` class are now overloaded to accept the index or the fully qualified identifier of the console window as an additional input parameter.

Saving captured bitmaps in the PNG format

When capturing a bitmap with the `CaptureBitmap` method, you can now specify that you want to save the bitmap as a PNG file.

New methods for the Agent class in Silk Test Classic

In Silk Test Classic, you can now use the following new methods for the `Agent` class of the Open Agent:

- `Attach`

- `AttachToMobileDevice`
- `DetachAll`
- `Shutdown`

Defining the exact position of a text click

The `TextClick` method now takes the position to click at as an additional optional parameter. The position is relative to the upper left corner of the text.

Defining whether to match a text exactly or not

The `TextClick`, `TextExists`, and `TextCapture` methods now accept an additional `exactMatch` parameter, which allows you to define whether you want to click, verify, or capture only exact matches of the text or you will also accept partial matching texts.

Shutting down the agent after test execution

You can now use the new `Shutdown` method to shut down the agent after test execution.

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.

Testing Silverlight applications with Mozilla Firefox does not work well on some machines

The Silverlight support in Silk Test might not work well on some machines when used in Mozilla Firefox. A deadlock can occur if the Mozilla Firefox plugin process calls the host Mozilla Firefox process at the same time that the host Mozilla Firefox process calls the plugin process. For additional information, see *https://bugzilla.mozilla.org/show_bug.cgi?id=686861* or *https://bugzilla.mozilla.org/show_bug.cgi?id=558986*. This known issue might occur in Silk Test because Silk Test is loading a .Net framework into the plugin process to test Silverlight. In this case, Silk Test cannot control when the .Net framework triggers a garbage collection, which calls into the host Mozilla Firefox process when freeing COM objects.

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 replying 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.
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.

Mobile Web Applications

Problems with concurrent use of adb

When the uiautomator testing framework is running it uses the Android Debug Bridge (adb) and this might cause problems in combination with the **Silk Test Web Tunneler** application. When running the uiautomator and the **Silk Test Web Tunneler** in parallel, warning messages similar to the following might be logged and infinitely repeated:
[WARN] SSH Tunnel for device 'Nexus 5' (id=04dcde2134409f32) at port 10001 closed with error code '1' (CommunicationTunnel.java:179) [WARN] SSH Tunnel for device 'Nexus 5' (id=04dcde2134409f32) at port 10001 reported: '[FATAL ERROR: Network error: Connection refused]' (CommunicationTunnel.java:180)

The reason for the problems is that when the uiautomator already has control of the adb, the **Silk Test Web Tunneler** application cannot set up any port forwarding. This is an adb issue.

The solution is to not run uiautomator in parallel with Silk Test.

Note: The same problems might occur in the reverse situation. When the **Silk Test Web Tunneler** application has control of the adb then the uiautomator is unable to take a screenshot of the device because it cannot use the adb.

Silk Test does not support HTML frames on mobile browsers

Silk Test does not support HTML frames on mobile Web browsers. If your Web application includes frames, you cannot test it with Silk Test. However, Silk Test supports Iframes in mobile browsers.

Silk Test Workbench does not support creating image verifications for mobile Web applications during recording

You cannot create image verifications during recording with Silk Test Workbench. However, you can add image verifications to your visual tests and .NET scripts after recording.

Web Applications

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%.

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.

Google Chrome 21, 26, 27: Invalid or missing Accessibility objects in dialog boxes

When you are recording locators for a Web application in Google Chrome, some Accessibility objects in dialog boxes might not be recognized or the recorded hierarchy of the objects might be invalid. This issue applies to all Javascript dialog boxes, for example prompt and the HTTP authentication dialog box. Existing tests, which are using these dialog boxes, might fail when they are replayed on Google Chrome.

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.

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.

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.

Microsoft Silverlight Applications

Some Microsoft Silverlight applications cause Internet Explorer to hang when interacting with Silk Test. On 32-bit platforms, refer to MS KB 2564958 (an update to Active Accessibility) to help prevent the issue.

Locators recorded with Silk Test versions prior to Silk Test 13.5 might no longer work in Internet Explorer

In Silk Test 13.5, we have adapted the normalization of white spaces of the `textContents` attribute in Internet Explorer. This change was made to improve the cross-browser capabilities of Silk Test, and might affect locators which rely on the `textContents` attribute, and which are used in scripts that were recorded with releases prior to Silk Test 13.5.

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.

Known issues with Input Method Editors (IMEs)

- Silk Test does not record half-width spaces for Japanese input in Internet Explorer 11.
- Silk Test does not record IME input in Internet Explorer 11 in compatibility mode.
- In Japanese IME mode, pressing **Space** will cause Silk Test to record the current IME candidate. Use **Convert** to avoid this issue.

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.

SAP Applications

`HierarchyHeaderWidth` and `ColumnOrder` Properties of the SAPTree Class are write only

Other than the automation documentation indicates, the `HierarchyHeaderWidth` and `ColumnOrder` properties of the `SAPTree` class are write only and cannot be read.

Ensure that your scripts use write rather than read with these properties.

`GetColumnIndexFromName()` of the SapTree Class May Fail with an "unspecified error"

`GetColumnIndexFromName()` of the `SapTree` class may fail with an "unspecified error". This is a known issue in SAP automation.

Check the SAP web site to see if the issue has been resolved.

Calling the `Select()` method of the SAPTree Class on a Context menu item may fail

Calling the `Select()` method of the `SAPTree` class on a Context menu item may fail.

Call `SelectContextMenuItem` on the parent control instead. This problem is a known issue in the SAP automation.

The position property for a horizontal scrollbar always returns 1

The position property for a horizontal scrollbar always returns 1. This is a known issue in SAP automation.

Check the SAP web site to see if the issue has been resolved.

The SAPNetPlan class is not supported

This issue will be resolved in a future release.

Replay error occurs when executing an SAP script in fast mode

In certain cases, if you record an SAP test using the Silk Test Recorder and then replay it using the **Replay speed: Fast** setting, an error occurs. The error says, `The data necessary to complete this operation is not yet available.`

Change the replay speed to a slower setting. Or, change the script to use SAP automation to replay the problematic action instead of xBrowser. For example, you might change the action from `DomLink.Select` to `SapHTMLViewer.SapEvent`.

The method getCurrentRow returns a wrong value with SAPGUI client 7.30

If you use SAPGUI client 7.30 and you call the method `getCurrentRow`, the method might falsely return -1 instead of the row number.

The method resizeWorkingPane is not working correctly with SAPGUI client 7.30

If you use SAPGUI client 7.30 and you call the method `resizeWorkingPaneEx`, the method will not resize the `workingPane` and calling `getSapWindow`().`getWidth`() will return a wrong value for the window width.

Silk Test Classic

Ensure that the agent.exe and partner.exe processes have been killed before attempting a Silk Test Monitor execution

When running Silk Test monitors or GUI-level tests, `Agent.exe` or `Partner.exe` may not close correctly after a monitor execution and the temporary results folder may remain opened. When this happens during a monitor execution, all subsequent monitors fail with the error `LoadtestController: 3302 - The results directory could not be cleared` and do not clear.

Kill the `Agent.exe` or `Partner.exe` process manually on the execution server or create an Action Essential which will automatically kill the processes whenever needed.

Unknown behavior occurs if a window class is declared without a tag

If a customer implements a window class in Silk Test without a tag, unknown errors and possible crashes occur. For example, in the following code, the `tag` line is mandatory.

```
[-] winclass MyDialogBox : DialogBox
 [ ] tag "[DialogBox]"
 [ ] locator "//DialogBox[@caption='Check Box']"
```

If the tag line is present, the code works as it should. However, if the tag line is missing, this leads to unknown errors and possible crashes. For example, the following code is problematic:

```
 [-] winclass MyDialogBox : DialogBox
 [ ] locator "//DialogBox[@caption='Check Box']"
```

Variables are not displayed correctly in debug mode when "{chr(10)}" is used

When debugging a script that uses the `"{chr(10)}"` character for line-change, the values of the accessible variables are not displayed correctly and you cannot use **Set Value** to set the value of a variable.

The INC file for the base state does not compile if the caption of an application contains a single quote

The generated INC file for the base state does not compile if the caption of an application contains a single quote.

Silk Test Workbench

Replaying a Visual Test on a Large Site

You may encounter performance problems when running a visual test on a large site when using xBrowser. In order to avoid this, set the option **Playback** > **Results** > **VisualTest** > **ControlCapture** to `No`.

Message boxes display in the background when a script plays back (31314)

If you include a message box statement, such as `MsgBox ("Hello")` in .NET script, it displays in the background when you play back the script.

Include `MsgBoxStyle.MsgBoxSetForeground` in the `MsgBox` statement to have the message box display in the foreground. For example:

```
MsgBox ("Hello", MsgBoxStyle.MsgBoxSetForeground)
```

Installer fails to install SQL Server Native Client and register Silk Test Workbench as a COM server

If the operating system performs an automatic update or the user initiates a Windows update during or before installation of Silk Test, the installer fails to install SQL Server Native Client and register Silk Test Workbench as a COM server.

Both of these problems affect Silk Central Test Manager (SCTM) integration, since SCTM uses the native client driver installed by SQL Server Express to create Silk Test Workbench DSNs. Furthermore, SCTM needs Silk Test Workbench registered as a COM server in order to use its COM interface for automation.

Choose one of the following solutions:

1. Do not install Silk Test while running a Windows update.
2. Ensure that Windows updates do not install automatically on your machine.
3. Install any pending Windows updates prior to installing Silk Test and reboot the system before installing Silk Test.

Modifying the hot key combination to include multiple modifiers causes additional keys to be recorded

If you configure a hot key for insert verification or start/stop record that contains multiple modifiers, occasionally the modifier press key action is recorded. For instance, if you specify a hot key combination of `Alt+Ctrl+F9`, `Alt` may be recorded as a press key action instead of being ignored as part of the hot key combination. This is a problem during playback because the appropriate release key actions are missing.

Manually remove the actions related to the modifiers, or only use one hot key modifier.

Data Source Names (DSNs) do not work on 64-bit systems

A 64-bit DSN for SQL Server or Oracle cannot be used with Silk Test Workbench. To create a DSN for a 64-bit machine, click **Start** > **Silk** > **Silk Test** > **Administration** > **Data Sources (ODBC)** and create a 32-bit DSN. You can also use the WOW64 tools located at `C:\WINDOWS\SysWOW64\odbcad32.exe`.

Silk Test Workbench requires a network adapter to start

A network adapter must be available on the machine on which Silk Test Workbench is installed to enable the communication between Silk Test Workbench and the Open Agent during the start of Silk Test

Workbench. If no network adapter is available, a `"Failed to connect to OpenAgent"` error occurs. Other clients, such as Silk Test Classic and Silk4J, do not require a network connection to start.

Ensure that a network adapter is available before starting Silk Test Workbench.

SQL Server Express might not install on Windows Vista SP1 machines

On Windows Vista SP1 machines, ensure that the full version of .NET 3.5 SP1 is installed if you plan to install SQL Server 2008 Express. To install the full version of .NET 3.5 SP1, download it from the Microsoft Web site.

Identify from Screen Preview creates an incorrect object map item for a migrated database

After a database is migrated from Silk Test Workbench 2010 to Silk Test Workbench 2010 R2, using the **Identify from Screen Preview** creates incorrect object map items.

Use the **Update Screen** command to recapture the screen before using **Identify from Screen Preview**.

When a child script is called from a parent script, the child script can access the object map out of scope

If a parent and child script reside in different projects and use different object maps, the child script runs successfully even though the object map is out of scope for the child script.

Since the script runs successfully, there is no resolution necessary. However, this behavior will not work in future releases.

When multiple users attempt to simultaneously edit the same asset on a SQL 2008 database, issues with the asset locking mechanism might occur

To test for the problem, open an asset, like a visual test, for editing in the Silk Test Workbench. While the asset is open, attempt to open the same asset from a different instance of Silk Test Workbench. If the problem occurs, either the second instance of Silk Test Workbench will be able to simultaneously edit the same asset, or the second instance will receive a message with incomplete data. The user name and machine name will both be blank.

In SQL Server, allocate database admin rights to the SQL database users that use that database.

Unexpected error while exporting assets in a SQL database

The unexpected error, `Conversion failed when converting from Character string to Unique identifier`, occurs when exporting assets in a SQL database.

Import the exported database and press OK if any error messages occur. The import finishes successfully and the assets are available for use.

Unexpected behavior while using an Access database

Compact the database using the Silk Test **Database Maintenance** tool. Click **Start** > **Programs** > **Silk** > **Silk Test** > **Administration** > **Database Maintenance**. Then, open the database and click **Tools** > **Compact Database**.

Silk Test Workbench with UAC enabled during configuration cannot connect to an SQL Server

You cannot connect to an SQL server during configuration, when you are using Silk Test Workbench without administrator rights, and with UAC enabled.

To connect to the SQL server during configuration, you have to start Silk Test Workbench with the **Run as administrator** option.

Silk Test Workbench might crash when the connection to a remote SQL database is lost

When you are using a remote SQL database, and that database disconnects from Silk Test Workbench, for example because of a server restart, Silk Test Workbench might crash when trying to communicate with the database.

To reconnect with the database, restart Silk Test Workbench.

The replay of a visual test might get very slow if the Control capture option is set

Set the Control capture option to **No** to improve playback performance.

Microsoft Windows 7 Classic theme: Screen Previews of visual tests might contain the Recording window

Screen previews of visual tests which are recorded on a Microsoft Windows 7 machine with the Classic theme might contain the **Recording** window. To record visual tests in Microsoft Windows 7 without the **Recording** window, do not use the Classic theme.

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");
```

Silk4J

The Silk4J menu does not open correctly in Eclipse 4.1

When you click on the Silk4J menu button in Eclipse 4.1, the menu items are not displayed. This is an Eclipse issue that is fixed for Eclipse 4.2. For additional information, see *https://bugs.eclipse.org/bugs/show_bug.cgi?id=367159*.

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Resolved Issues

The following issues have been resolved:

Issue #	Description
RPI 602984	Silk Test recording result is not valid for Japanese Input.
RPI 603273	Silk Test 15.0 does not seem to scroll controls into view.
RPI 1093513	Silk Test cannot record Javascript with xBrowser technology domain.
RPI 1093580	Silk Test Workbench: Receiving playback errors on Visual Test.
RPI 1093765	Silk Test 15.0: The `GetDomAttribute` method does not return the `OnClick` attribute.
RPI 1093857	Recording against pop-up windows does not generate a separate object map for the pop-up window.
RPI 1093970	Japanese input is not recorded correctly when recording against a Web application in Internet Explorer 11.
RPI 1093993	Tab frame covers cannot be ignored and cannot be excluded from recorded scripts.
RPI 1094002	The `TextClick` method does not click on certain custom controls.
RPI 1094058	Silk Test 15.0 Update 1: Opening Visual Tests is much slower in comparison to previous Silk Test versions.
RPI 1094097	Silk Test Workbench: Intellisense is not working for globally declared objects.

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

Full	• Web applications, including the following:
	  • Apache Flex
	  • Java-Applets
	• Mobile Web applications.
	  • Android
	  • iOS
	• Apache Flex
	• Java AWT/Swing
	• 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 *www.borland.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 *www.borland.com*.

Tested Software

This section lists the software with which Silk Test 15.5 has been tested.

Operating Systems

Silk Test 15.5 has been tested with the following operating systems:

- Microsoft Windows XP SP3
- Microsoft Windows Vista SP2
- Microsoft Windows Server 2008
- Microsoft Windows Server 2008 R2
- Microsoft Windows 7
- Microsoft Windows 7 SP1
- Microsoft Windows 8
- Microsoft Windows 8.1
- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 R2

Web Applications

For the Open Agent, Silk Test 15.5 has been tested with the following browsers and Web technologies:

Technology Type	Tested Version
Mozilla Firefox (playback only)	22, 23, 24, 25, 26, 27, 28, 29
Google Chrome (playback only)	28, 29, 30, 31, 32, 33, 34, 35
Chrome for Android	
Stock Android Browser	
Apple Safari	
Internet Explorer	8, 9, 10, 11
Android	4.1, 4.2, 4.3, 4.4
iOS	7.0, 7.1
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.
Apache Flex	Silk Test 15.5 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.

Technology Type	Tested Version
HTML5	

Desktop Applications

For the Open Agent, Silk Test 15.5 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	Silk Test 15.5 has been tested has been tested with Java SWT version 3.2 or later. Standalone and Rich Client Platform (RCP) applications (SWT standalone applications executed as an applet in the browser are not supported)
SAP	SAPGUI client 7.10, SAPGUI client 7.20, SAPGUI client 7.30
Rumba	8.1, 8.2, 8.3, 9.0, 9.1, 9.2
Win 32	any
WinForms	.NET 3.0, 3.5, 3.5 SP1, 4.0, 4.5
WPF	.NET 3.5 SP1, 4.0, 4.5

Silk Test Workbench

Silk Test 15.5 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
- Oracle 11.1
- Oracle 11.2
- 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 4.3.1 is shipped with Silk Test.

Silk4NET

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

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

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.