

Silk Test 14.0

Silk4J Quick Start Tutorial

Micro Focus
575 Anton Blvd., Suite 510
Costa Mesa, CA 92626

Copyright © Micro Focus 2013. All rights reserved. Portions Copyright © 1992-2009 Borland Software Corporation (a Micro Focus company).

MICRO FOCUS, the Micro Focus logo, and Micro Focus product names are trademarks or registered trademarks of Micro Focus IP Development Limited or its subsidiaries or affiliated companies in the United States, United Kingdom, and other countries.

BORLAND, the Borland logo, and Borland product names are trademarks or registered trademarks of Borland Software Corporation or its subsidiaries or affiliated companies in the United States, United Kingdom, and other countries.

All other marks are the property of their respective owners.

2013-05-28

Contents

Silk4J Quick Start Tutorial	4
Starting Silk4J	4
Creating a Silk4J Project	4
Recording a Test for the Insurance Company Web Application	5
Replaying the Test for the Insurance Company Web Application	6

Silk4J Quick Start Tutorial

This tutorial provides a step-by-step introduction to using Silk4J to test a Web application using dynamic object recognition. Dynamic object recognition enables you to write test cases that use XPath queries to find and identify objects.



Important: To successfully complete this tutorial you need basic knowledge of Java and JUnit.

For the sake of simplicity, this guide assumes that you have installed Silk4J and are using the sample Insurance Company Web application, available from <http://demo.borland.com/InsuranceWebExtJS/>.



Note: You must have local administrator privileges to run Silk4J.

For additional information about Silk4J, including information about sample scripts and applications, refer to the *Silk4J User Guide*. To view the guide, in Eclipse choose **Help > Help Contents** and then click **Silk4J User Guide**.

Starting Silk4J

1. Click **Start > Programs > Silk > Silk Test > Clients > Silk4J**.

If you have not specified a default workspace location or if this is the first time that you are launching Silk4J, the **Workspace Launcher** dialog box opens.

2. Specify the location of your workspace and click **OK**. Eclipse opens the **Welcome** view the first time you launch Eclipse.

Creating a Silk4J Project

When you create a Silk4J project using the **New Silk4J Project** wizard, the wizard contains the same options that are available when you create a Java project using the **New Java Project** wizard. Additionally, the Silk4J wizard automatically makes the Java project a Silk4J project.

1. In the Eclipse workspace, perform one of the following steps:

- Click the drop-down arrow next to the Silk Test toolbar icon  and choose **New Silk4J Project**.
- If you installed or updated Silk4J to an existing Eclipse location, choose **File > New > Other**. Expand the Silk4J folder and double-click **Silk4J Project**.

The **New Silk4J Project** wizard opens.

2. In the **Project name** text box, type a name for your project.
For example, type *Tutorial*.
3. Accept the default settings for the remaining options.
4. Click **Next** and specify any other settings that you require.
5. Click **Finish**. A new Silk4J project is created that includes the JRE system library and the required `.jar` files, `silktest-jtf-nodeps.jar` and the `junit.jar`.

Recording a Test for the Insurance Company Web Application

Record a new test that navigates to the **Agent Lookup** page in the Insurance Company Web application. For a detailed version of how to record a test and how to configure test applications for each technology type, see the *Creating Tests* section of the Silk4J User Guide.

1. In the **Package Explorer**, perform one of the following steps:
 - Right-click the name of your project and choose **New > Other** . Expand the Silk4J folder and double-click **Silk4J Test**.
 - Click the drop-down arrow next to the Silk Test toolbar icon  and choose **Record Silk4J Test**.
 - If you installed or updated Silk4J to an existing Eclipse location, choose **File > New > Other** . Expand the Silk4J folder and double-click **Silk4J Test**.

The **New Silk4J Test** dialog box opens.

2. In the **Source folder** text box, specify the source file location that you want to use.
The **Source folder** text box is automatically populated with the source file location for the project that you selected.

To use a different source folder, click **Browse** and navigate to the folder that you want to use.

3. In the **Package** text box, specify the package name.

For example, type: `com.example`.

To use an existing package, click **Browse** and select the package that you want to use.

4. In the **Test class** text box, specify the name for the test class.

For example, type: `AutoQuoteInput`.

To use an existing class, click **Browse** and select the class that you want to use.

5. In the **Test method** text box, specify a name for the test method.

For example, type `autoQuote`.

6. Click **Finish**. The **New Application Configuration** wizard opens.

7. Double-click **Web Site Test Configuration**. The **New Web Site Configuration** page opens.

8. From the **Browser Type** group, select **Internet Explorer**.

You can use one of the other supported browser types to replay tests but not to record them.

9. Perform one of the following steps:

- **Use existing browser** – Click this option button to use a browser that is already open when you configure the test. For example, if the Web page that you want to test is already displayed in a browser, you might want to use this option.
- **Start new browser** – Click this option button to start a new browser instance when you configure the test. Then, in the **Browse to URL** text box specify the Web page to open.

For this tutorial, close all open browsers and then click **Start new browser** and specify <http://demo.borland.com/InsuranceWebExtJS/>.

10. Click **Finish**. The Web site opens. Silk4J creates a base state and starts recording.

11. In the Insurance Company Web site, perform the following steps:

- a) From the **Select a Service or login** list box, select **Auto Quote**. The **Automobile Instant Quote** page opens.
- b) Type a zip code and email address in the appropriate text boxes, click an automobile type, and then click **Next**.
- c) Specify an age, click a gender and driving record type, and then click **Next**.

- d) Specify a year, make, and model, click the financial info type, and then click **Next**. A summary of the information you specified appears.
- e) Point to the **Zip Code** that you specified and press `Ctrl+Alt` to add a verification to the script.
You can add a verification for any of the information that appears.
The **Verify Properties** dialog box opens.
- f) Check the **textContents** check box and then click **OK**. A verification action is added to the script for the zip code text.

An action that corresponds with each step is recorded.

12. Click Stop Recording. A base state, test class, test method and package are created. The new class file opens.

Replay the test to ensure that it works as expected. You can modify the test to make changes if necessary.

Replaying the Test for the Insurance Company Web Application

Right-click the **AutoQuoteInput** class in the Package Explorer and choose **Run As > Silk4J Test** .

When the test execution is complete, the **Playback Complete** dialog box opens. Click **Explore Results** to review the TrueLog for the completed test. In this example, the verification will fail, because the **Zip Code** field in the test application is not cleaned.

Index

Q

Quick Start tutorial
 creating test 5
 introduction 4
 replaying tests 6

S

Silk4J
 creating project 4
 quick start tutorial 4

T

test class
 creating 5
test method
 recording 5
tests
 replaying 6
tutorial
 quick start 4