

OFBiz SeleniumXml Introduction

1/9/2009

This is a short document to help you get started using SeleniumXml to test your OFBiz application. Here is a copy of the presentation that was given at the ApacheCon2008 OFBiz Conference that describes more about the project:

http://us.apachecon.com/presentation/materials/118/ApacheCon2008_SeleniumXml.pdf

Installing SeleniumXml

1. Unzip the ofbiz-seleniumxml.zip in the ofbiz/framework directory. This will copy the source files, libraries, dtd, config files, and sample test scripts into the testtools folder.
2. Apply the ofbiz-selenium.patch file from your OFBIZ_HOME directory (e.g. ofbiz)
3. From the ofbiz/framework/testtools directory run the following ant command to download the needed selenium-server.jar file.
 1. ant install-seleniumxml
4. Build the source by running "ant" in the testtools directory or your OFBIZ_HOME

You should now have everything you need to run a seleniumXml test.

Running the Example Test

SeleniumXml requires the selenium server to be running. The selenium server uses a default proxy port of 4444. The default port can be changed when you start the server. Selenium tries to automatically change the proxy settings in the testing browser. If you are getting communication errors with the server you may have to manually change your proxy settings in your browser.

1. Start ofbiz as normal.
 1. Note: the patch changes ofbiz to not use HTTPS as the default. Instead everything just works through port 8080. Selenium supports https but it is more complicated so for this introduction I have turned https off.
2. Start the selenium server:
 1. runSeleniumServer.bat (sorry I don't have a shell script created yet, but the script is simple and can easily be adapted)
3. Change the configuration for your preferred browser in the testtools/config/seleniumxml.properties file. The default is firefox (e.g. browser=*firefox) but you can change it to any of the selenium supported browsers.
 1. Selenium supported browsers: <http://seleniumhq.org/about/platforms.html#browsers>
4. Run the Example test
 2. runSeleniumXml.bat testdef/seleniumxml/example_testsuite.xml
 3. The above test combines three different tests into a single test suite. Data is passed from one test to another to allow you to share generated data.
 4. You will get an assertion (or other exception) if the test fails.
 5. The test uses a .5 second delay for demo purposes. (see example_testsuite.xml and the <setSpeed value="500" /> command). You can remove this at the start of the test if you don't want the delay.

Here are some screen shots of what you should be seeing.

Selenium Remote Control v1.0-SNAPSHOT [1123], with Core v@VERSION@ [@REVISION@] - Mozilla Firefox

File Edit View History Bookmarks Tools Help

chrome://src/content/RemoteRunner.html?sessionId=1ea975114f164a35b06f056bf2cb330c&multWindow=true&baseUrl=http%3A%2F%2F... Google

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Selenium Functional Testing for Web Apps
 Open Source From [ThoughtWorks and Friends](#)

View DOM Show Log Slow Mode

1ea975114f164a35b06f056bf2cb330c

Command History:

```
click(searchButton)
waitForPageToLoad(10000)
click(link=Last)
waitForPageToLoad(10000)
getHtmlSource()
```

Example Application

Example Feature Form Widget Examples Ajax Examples Example Portal Page

Example Items Features Help

Edit Example For x3CBhJjpttd41kji3oDD [10051]

New Example Printer Friendly Pdf

Example ID 10051 *cannot change without re-creating*

Type Contrived

Status ---

Example Name x3CBhJjpttd41kji3oDD

Description gqs94EoLTCaEOBQ1k9jDYRDvPCMndhSDd3kkaH1bJ6MzYszS1dB

Long Description jfggJ0tBjRTLlRnAiTpGof6k7kdiRQ0gfhD7RkGyi6abyvyZt6hPbte0uMb

Comments EVvkfiy3Zg7NVSRDoRKAH7AUKYSwT4wUrDnd1XcDHSRhSypsvf

Example Size 10

Example Date 2009-01-09 04:55:55.000

Another Date

Another Text Good

Display Another Text Good

Update

Find Example

[New Example](#)

Search Options

Example ID Ignore Case

Name Ignore Case

Type

Status

Search Results

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Example ID	Name	Type	Status	Description
10035	vfSIXOvE3kDl12M1BxON	Contrived Defined	GdsQLhO7kmqnZqH6xPH8ZsJseZinpGnJbOFbdNpDCydPfm7SfEoS2R19mHwuhVEVYJ4rbQgRI6csD8TLUrJaX393p0d3rUu29m2U75jqphcTvrlDde	
10036	OIPTyDYlEdIYXwm1UJeK	Contrived Defined	RbwHf3pIA7r7MXFAJRI5DANGX7hpH2nKV28txu2IqKdtr2aYFGZOvjhRI39TIYps0UQm6H61m36RG74kxg0EgyI9Z6qzpyRyA6NOKgsGpbSmLedj69xb	
10040	4fpaDlkrBOOuHzL7aj2C	Contrived Defined	HIGEB5l3SkfKfzorebAvPOFAB31is5xw10TYK3cfBFpMKL7ggiU3OIKK6oUS5HaVe7oMmwZJd7nZ0a647SC65G7FRDQFxadcn3LyRIT1nJ3uEpnS2322kc	
10050	zgPwYo6oBYXaS1uTds4B	Contrived Defined	EjSErxIIID4UR0HDi1sfHp406oFjpsOveKbwaYIDXUa7tPPNoFy6zvkvYhPZptoXIyyQ1kg0D5Cf3R4tMg7rd7inHafZ5STG6gaxJ9wU5GHU9X0dQ1SHzYux	
10051	x3CBhJjpttd41kjl3oDD	Contrived Defined	gqs94EoLTCaEOBQ1k9jDYRDvPCMndhSDd3kkaH1bJ6MzYszS1dBTGoHrsTzuX0ZfgjuA91M6F7wCljicJMyegQsxpTJNSdKmjCEfJjXkghGc5C7TaPm4Y	

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Creating New Tests

The easiest way to create a new test is to use the Selenium IDE plugin for Firefox. This allows you to record your own Selenium tests. You can then save the test and convert it to a seleniumXml test easily.

1. Install the latest plugin at <http://seleniumhq.org/projects/ide/>
2. Record your steps as you run through your ofbiz application.
3. Then convert the saved XML file using the convertSeleniumIDE.bat script.
 1. For example:
 2. `convertSeleniumIDE.bat testdef/seleniumxml/example/recorded/AjaxExample.html`
`testdef/seleniumxml/example/recorded/AjaxExample.xml`
 3. Manually modify the commands to suit your needs.