

# Working with Projects and .tst XML Files

This chapter describes how to work with projects and .tst files saved in XML format.

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## Working with Projects

### Saving a Project File

Any changes that you make to project properties, test suites, and so on are automatically saved to the project. Projects will remain open until you explicitly close them.

### Closing a Project File

When you close a project file, SOAtest will close all related trees and settings. Closed projects are shown in the Navigator, but not in the Test Case Explorer.

To close the current project and all related setting:

- In the Navigator, right-click the project, and choose **Close Project** from the shortcut menu.

### Opening a Project File

When you open a project file, all associated trees, settings, and reports will be restored.

To open a project file:

- In the Navigator, right-click the project, and choose **Open Project** from the shortcut menu.

## Working with Test (.tst) Files

### Opening .tst Files

By default, .tst files are closed. All open .tst files are loaded into memory.

There are two ways to open a .tst file:

- Double click the .tst file's Test Case Explorer node
- Right-click the .tst file's Test Case Explorer node, then choose **Open Test (.tst) File** from the shortcut menu.

Closed .tst files have the following "closed box" icon:



Open .tst files have the following "open box" icon:



### Closing .tst Files

There are two ways to close a .tst file:

- Double click the .tst file's Test Case Explorer node
- Right-click the .tst file's Test Case Explorer node, then choose **Close Test (.tst) File** from the shortcut menu.

### Understanding a .tst File's XML Format

When SOAtest .tst files are saved in XML format, they can be parsed to get test suite and test information into a custom framework.

The following table describes how some of the most commonly-used tools are represented:

Artifact	Element Name	Parent Element
Root element	SOAtestProject	None
Test Suite	Test Suite	TestSuite (if nested under other Test Suites)
Test or a Test Suite name	name	Any of the other listed elements
Environments	EnvironmentConfiguration	TestSuite
Data Sources	DataSource	TestSuite/SOAPRPCToolTest
Messaging Client	HTTPClient	TestSuite/HTTPClientToolTest
Browser Playback Tool	BrowserTestingTool	TestSuite/ToolTest
DB Tool	DbTool	TestSuite/ToolTest
Extension Tool	MethodTool	TestSuite/ToolTest
Call Back Tool	CallBackTool	TestSuite/CallBackToolTest

The following list describes common specially named elements that appear in the XML project file. The fields are named so that you can exclude parts of it and make the search more general.

For example, to search for any WSDL, you could search and replace for `<_WSDLLocation>http://mywsdl</_WSDLLocation>`. For just SOAP Client WSDLs, you could search for `<SOAPClient_WSDLLocation>http://mywsdl</SOAPClient_WSDLLocation>`.

#### WSDL fields:

- SOAPClient\_WSDLLocation
- ClientTester\_WSDLLocation
- WSITool\_WSDLLocation

#### Schema fields:

- SOAPClient\_SchemaLocation
- ClientTester\_SchemaLocation
- MessagingClient\_SchemaLocation

#### Endpoint fields:

- SOAPClient\_CustomEndpoint
- SOAPClient\_UDDIServiceKey
- MessagingClient\_Endpoint

#### Literal (XML) fields:

- SOAPClient\_LiteralMessage
- ClientTester\_LiteralMessage
- MessagingClient\_LiteralMessage

#### XPath Fields:

- XMLDatabank\_ExtractXPath
- XMLDatabank\_AlterXPath
- XMLTransformer\_ExtractXPath
- XMLTransformer\_AlterXPath
- Assertion\_XPath

#### Diff Tool Regression Controls:

- DiffTool\_RegressionControl

#### BrowserTestingTool fields:

- BrowserTestingTool\_NavigateURL - the url field for a Navigate action
- BrowserTestingTool\_WindowName - the window name field for any action
- BrowserTestingTool\_LocatorAttributeValue - the attribute value field for any action set to an Element Properties locator
- BrowserTestingTool\_LocatorXPath - the xpath field for any action set to an XPath locator
- BrowserTestingTool\_TypeValue - the value field for a type action
- BrowserTestingTool\_OtherValue - the value field for an "other" action
- BrowserTestingTool\_NewBrowserURL - the url field for a NewBrowser action

#### BrowserDataBank:

- BrowserDataBank\_LocatorAttributeValue - the attribute value field for any extraction set to an Element Properties locator
- BrowserDataBank\_LocatorXPath - the xpath field for any extraction set to an XPath locator
- BrowserDataBank\_WindowName - the window name field for any extraction

**BrowserValidationTool:**

- BrowserValidationTool\_LocatorAttributeValue - the attribute value field for any validation set to an Element Properties locator
- BrowserValidationTool\_LocatorXPath - the xpath field for any validation set to an XPath locator
- BrowserValidationTool\_WindowName - the window name field for any validation
- BrowserValidationTool\_ExpectedValue - the expected value field for any validation