

Struts Tab

View | Tool Windows | Struts Assistant

The tab is available from the [Struts Assistant tool window](#).

Use this tab to [manage Struts elements](#) in the `struts-config.xml` configuration file.

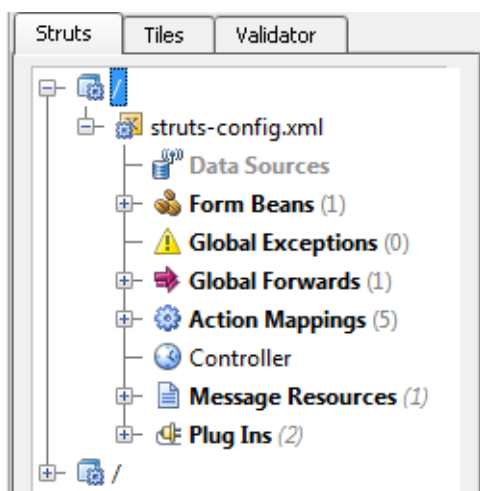
The tab displays three views:




- [Structure Tree](#)
- [Properties Table](#)
- [Web Flow Diagram](#)

The views are synchronized. If a node is selected in the Structure Tree, the Properties Table shows the node's attributes. If a node has a corresponding diagram object (for example, an **Action cell** or a **Forward edge**), this diagram object is selected as well.

Structure Tree

The view shows the [Struts elements](#) that are used in your application as nodes of a structure tree. As you create, edit, and remove these nodes and their subordinate items, these changes are immediately reflected in the `struts-config.xml` configuration file.



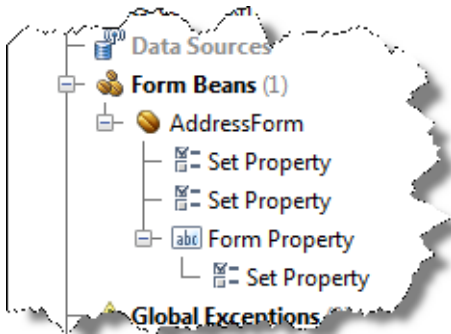
Item	Name and tooltip	Description
	struts-config.xml	The root node of the application structure tree.
Context menu (the same for all nodes)		
F4	Jump to source	Select this menu item to switch to the code block in the <code>struts-config.xml</code> file, text view, that corresponds to the selected item in the tree.
	Expand All	Click this button to expand all the nodes in the tree.
	Collapse All	Click this button to collapse all the nodes in the tree.

The view shows the following Struts element nodes:

- [Form Beans Node](#)
- [Global Exceptions Node](#)
- [Global Forwards Node](#)

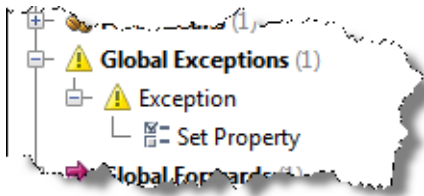
- Action Mappings Node
- Controller Node
- Message Resources Node
- Plugins Node

Form Beans Node



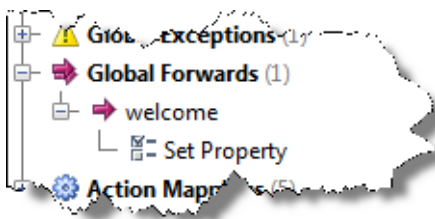
Item	Name and tooltip	Description									
	Form Beans	<p>Under this node, manage form beans and their properties.</p> <p>The following actions are available through the context menu of the Form Beans node:</p> <table border="1"> <tr> <td></td> <td>Add Form Bean</td> <td>Select this menu item to add a new form bean to the application.</td> </tr> <tr> <td></td> <td>Remove Form Beans</td> <td>Select this menu item to remove all the form beans from the application.</td> </tr> </table>		Add Form Bean	Select this menu item to add a new form bean to the application.		Remove Form Beans	Select this menu item to remove all the form beans from the application.			
	Add Form Bean	Select this menu item to add a new form bean to the application.									
	Remove Form Beans	Select this menu item to remove all the form beans from the application.									
	Form Bean	<p>A form bean node.</p> <p>The following actions are available through the context menu of a Form Bean:</p> <table border="1"> <tr> <td></td> <td>Add Form Property</td> <td>Select this menu item to add a form property to the bean.</td> </tr> <tr> <td></td> <td>Add Set Property</td> <td>Select this menu item to add a set property to the bean or to a form property.</td> </tr> <tr> <td></td> <td>Remove Bean/ Form Property/ Set Property</td> <td>Select this menu item to remove the entire bean or its form or set property.</td> </tr> </table>		Add Form Property	Select this menu item to add a form property to the bean.		Add Set Property	Select this menu item to add a set property to the bean or to a form property.		Remove Bean/ Form Property/ Set Property	Select this menu item to remove the entire bean or its form or set property.
	Add Form Property	Select this menu item to add a form property to the bean.									
	Add Set Property	Select this menu item to add a set property to the bean or to a form property.									
	Remove Bean/ Form Property/ Set Property	Select this menu item to remove the entire bean or its form or set property.									
	Form Property	Bean's form property.									
	Set Property	A set property of the bean or a form property.									

Global Exceptions Node


















Item	Name and tooltip	Description						
	Global Exceptions	<p>Under this node, manage global exceptions and their properties.</p> <p>The following actions are available on the context menu of the Global Exceptions node:</p> <table border="1"> <tr> <td></td> <td>Add Global Exception</td> <td>Select this menu item to add a new global exception to the application.</td> </tr> <tr> <td></td> <td>Remove Global Exceptions</td> <td>Select this menu item to remove all the global exceptions from the application.</td> </tr> </table>		Add Global Exception	Select this menu item to add a new global exception to the application.		Remove Global Exceptions	Select this menu item to remove all the global exceptions from the application.
	Add Global Exception	Select this menu item to add a new global exception to the application.						
	Remove Global Exceptions	Select this menu item to remove all the global exceptions from the application.						
	Global Exception	<p>A global exception node.</p> <p>The following actions are available on the context menu of a Global Exception:</p> <table border="1"> <tr> <td></td> <td>Add Set Property</td> <td>Select this menu item to add a set property to the global exception.</td> </tr> <tr> <td></td> <td>Remove Exception/ Set Property</td> <td>Select this menu item to remove the entire global exception or its set property.</td> </tr> </table>		Add Set Property	Select this menu item to add a set property to the global exception.		Remove Exception/ Set Property	Select this menu item to remove the entire global exception or its set property.
	Add Set Property	Select this menu item to add a set property to the global exception.						
	Remove Exception/ Set Property	Select this menu item to remove the entire global exception or its set property.						
	Set Property	A set property of the global exception.						

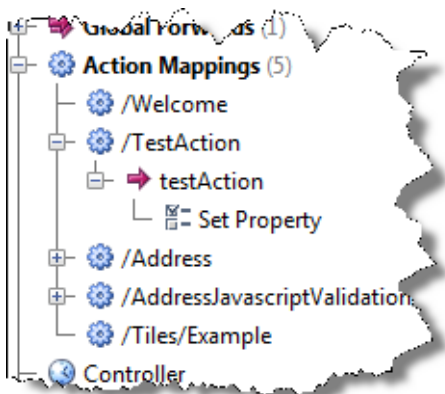
Global Forwards Node























Item	Name and tooltip	Description
------	------------------	-------------

Item	Name and tooltip	Description						
	Global Forwards	<p>Under this node, manage global forwards and their properties.</p> <p>The following actions are available on the context menu of the Global Forwards node:</p> <table border="1"> <tr> <td></td> <td>Add Global Forward</td> <td>Select this menu item to add a new global forward to the application.</td> </tr> <tr> <td></td> <td>Remove Global Forwards</td> <td>Select this menu item to remove all the global forwards from the application.</td> </tr> </table>		Add Global Forward	Select this menu item to add a new global forward to the application.		Remove Global Forwards	Select this menu item to remove all the global forwards from the application.
	Add Global Forward	Select this menu item to add a new global forward to the application.						
	Remove Global Forwards	Select this menu item to remove all the global forwards from the application.						
	Global Forward	<p>A global forward node.</p> <p>The following actions are available on the context menu of a Global Forward:</p> <table border="1"> <tr> <td></td> <td>Add Set Property</td> <td>Select this menu item to add a set property to the global forward.</td> </tr> <tr> <td></td> <td>Remove Exception/Set Property</td> <td>Select this menu item to remove the entire global forward or its set property.</td> </tr> </table>		Add Set Property	Select this menu item to add a set property to the global forward.		Remove Exception/Set Property	Select this menu item to remove the entire global forward or its set property.
	Add Set Property	Select this menu item to add a set property to the global forward.						
	Remove Exception/Set Property	Select this menu item to remove the entire global forward or its set property.						
	Set Property	A set property of the global forward.						

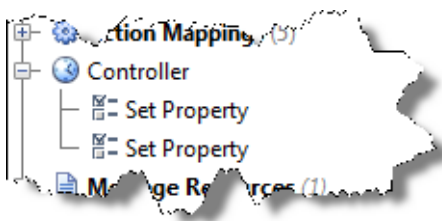
Action Mappings Node













Item	Name and tooltip	Description
------	------------------	-------------

Item	Name and tooltip	Description									
	Action Mappings	<p>Under this node, manage the action mappings within the application, mapping properties, forwards, and exceptions.</p> <p>The following operations are available on the context menu of the Action Mappings node:</p> <table border="1"> <tr> <td></td> <td>Add Action</td> <td>Select this menu item to add a new action to the application.</td> </tr> <tr> <td></td> <td>Remove Action Mappings</td> <td>Select this menu item to remove all the action mappings from the application.</td> </tr> </table>		Add Action	Select this menu item to add a new action to the application.		Remove Action Mappings	Select this menu item to remove all the action mappings from the application.			
	Add Action	Select this menu item to add a new action to the application.									
	Remove Action Mappings	Select this menu item to remove all the action mappings from the application.									
	Action	<p>An action node.</p> <p>The following operations are available on the context menu of an Action:</p> <table border="1"> <tr> <td></td> <td>Add Exception</td> <td>Select this menu item to add an exception to the action.</td> </tr> <tr> <td></td> <td>Add Forward</td> <td>Select this menu item to add a forward to the action.</td> </tr> <tr> <td></td> <td>Add Set Property</td> <td>Select this menu item to add a set property to the action or action's forward or action's exception.</td> </tr> </table>		Add Exception	Select this menu item to add an exception to the action.		Add Forward	Select this menu item to add a forward to the action.		Add Set Property	Select this menu item to add a set property to the action or action's forward or action's exception.
	Add Exception	Select this menu item to add an exception to the action.									
	Add Forward	Select this menu item to add a forward to the action.									
	Add Set Property	Select this menu item to add a set property to the action or action's forward or action's exception.									
	Exception	An exception defined within the action.									
	Global Forward	A forward within the action.									
	Set Property	A set property of the action, or action's forward, or action's exception.									

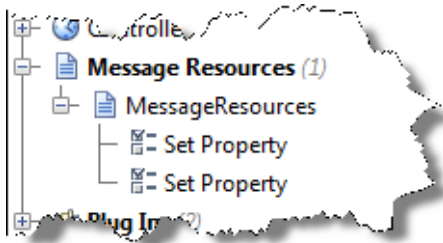
Controller Node


















Item	Name and tooltip	Description
------	------------------	-------------

Item	Name and tooltip	Description									
	Controller	<p>Under this node, manage the properties of the application controller.</p> <p>The following operations are available on the context menu of the Controller node:</p> <table border="1"> <tbody> <tr> <td></td> <td>Add Set Property</td> <td>Select this menu item to add a set property to the controller.</td> </tr> <tr> <td></td> <td>Set Property</td> <td>A set property of the controller.</td> </tr> <tr> <td></td> <td>Remove Controller/ Set Property</td> <td>Select this menu item to remove the controller or its set property from the application.</td> </tr> </tbody> </table>		Add Set Property	Select this menu item to add a set property to the controller.		Set Property	A set property of the controller.		Remove Controller/ Set Property	Select this menu item to remove the controller or its set property from the application.
	Add Set Property	Select this menu item to add a set property to the controller.									
	Set Property	A set property of the controller.									
	Remove Controller/ Set Property	Select this menu item to remove the controller or its set property from the application.									

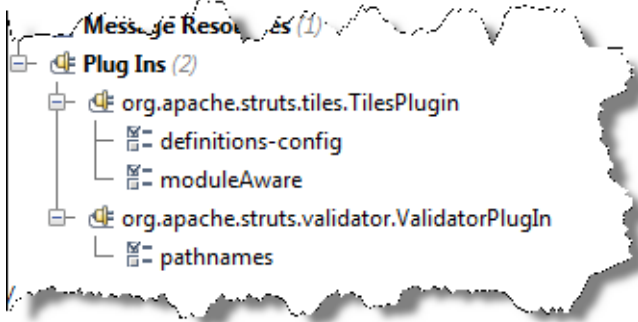
Message Resources Node


















Item	Name and tooltip	Description						
	Message Resources	<p>Under this node, manage the message resources of the application.</p> <p>The following operations are available on the context menu of the Message Resources node:</p> <table border="1"> <tbody> <tr> <td></td> <td>Add Message Resource</td> <td>Select this menu item to add a message resource to the application.</td> </tr> <tr> <td></td> <td>Remove Message Resources</td> <td>Select this menu item to remove the all message resources from the application.</td> </tr> </tbody> </table>		Add Message Resource	Select this menu item to add a message resource to the application.		Remove Message Resources	Select this menu item to remove the all message resources from the application.
	Add Message Resource	Select this menu item to add a message resource to the application.						
	Remove Message Resources	Select this menu item to remove the all message resources from the application.						

Item	Name and tooltip	Description						
	Message Resource	<p>A message resource of the application.</p> <p>The following operations are available on the context menu of a Message Resource:</p> <table border="1"> <tbody> <tr> <td></td> <td>Add Set Property</td> <td>Select this menu item to add a set property to the message resource.</td> </tr> <tr> <td></td> <td>Remove Message Resources/ Set Property</td> <td>Select this menu item to remove the message resource or its set property from the application.</td> </tr> </tbody> </table>		Add Set Property	Select this menu item to add a set property to the message resource.		Remove Message Resources/ Set Property	Select this menu item to remove the message resource or its set property from the application.
	Add Set Property	Select this menu item to add a set property to the message resource.						
	Remove Message Resources/ Set Property	Select this menu item to remove the message resource or its set property from the application.						
	Set Property	A set property of the message resource.						

Plugins Node



Item	Name and tooltip	Description						
	Plugins	<p>Under this node, manage the application plugins.</p> <p>The following operations are available on the context menu of the Plugins node:</p> <table border="1"> <tbody> <tr> <td></td> <td>Add Plugin</td> <td>Select this menu item to add a new plugin to the application.</td> </tr> <tr> <td></td> <td>Remove Plugins</td> <td>Select this menu item to remove all plugins from the application.</td> </tr> </tbody> </table>		Add Plugin	Select this menu item to add a new plugin to the application.		Remove Plugins	Select this menu item to remove all plugins from the application.
	Add Plugin	Select this menu item to add a new plugin to the application.						
	Remove Plugins	Select this menu item to remove all plugins from the application.						

Item	Name and tooltip	Description						
	Plugin	<p>A plugin node.</p> <p>The following operations are available on the context menu of a Plugin:</p> <table border="1"> <tbody> <tr> <td></td> <td>Add Set Property</td> <td>Select this menu item to add a set property to the plugin.</td> </tr> <tr> <td></td> <td>Remove Plugin/Set Property</td> <td>Select this menu item to remove the entire plugin or its set property.</td> </tr> </tbody> </table>		Add Set Property	Select this menu item to add a set property to the plugin.		Remove Plugin/Set Property	Select this menu item to remove the entire plugin or its set property.
	Add Set Property	Select this menu item to add a set property to the plugin.						
	Remove Plugin/Set Property	Select this menu item to remove the entire plugin or its set property.						
	Set Property	A set property of the plugin.						

Properties table

The view shows the attributes of the node selected in the Structure Tree.

Item	Description
Name	The names of the attributes of the element selected in the Structure Tree.
Value	The values of the attributes of the element selected in the Structure Tree.

Web flow diagram

The view graphically presents the relations among the elements of your application. The diagram features common [graph view](#) elements.

Forwards and exceptions are displayed as directed graph edges.

Icons used on the Web Flow Diagram

Item	Description
	Struts Action
	Struts JSP page
	Struts global forward
	Struts global exception

See Also

Concepts:

- [Struts Framework](#)

Procedures:

- [Managing Struts Elements](#)

Reference:

- [Struts Assistant Tool Window](#)
- [Tiles Tab](#)
- [Validator Tab](#)

Web Resources:

- [Developer Community](#) 