

Struts 1 Plugin

The Struts 1 plugin INLINE

allows you to use existing Struts 1 Actions and ActionForms in Struts 2 applications

.

This plugin provides a generic Struts 2 Action class to wrap an existing Struts 1 Action, `org.apache.struts2.s1.Struts1Action`. The wrapper class provides the expected calls to the legacy Struts 1 Action and ActionForm, converting incoming and outgoing objects into the expected forms. It works by using the [scoped model driven](#) technique that uses a single Object as the model for every page, very similar to how the Struts 1 ActionForm works. The plugin also provides several interceptors to emulate Struts 1 logic:

- `org.apache.struts2.s1.ActionFormValidatorInterceptor` - Integrates the validation of ActionForms into the workflow of Struts 2
- `org.apache.struts2.s1.ActionFormResetInterceptor` - Calls the `reset()` method on any discovered ActionForms

Warning

The Struts 1 plugin is currently only intended to allow you to run Struts 1 actions inside a Struts 2 application. It DOES NOT allow you to continue to use the Struts 1 tag libraries in your JSPs. Your JSPs must be converted to use the Struts 2 tag library.

There is a [JIRA ticket](#) open for enhancing this plugin to allow a more seamless transition from Struts 1 to Struts 2 by supporting continued use of the Struts 1 tag libraries in JSPs, however, there is not a scheduled time frame for that functionality to be made available. (Patches are welcomed!)

Features

- Can use Struts 1 Actions and ActionForms with no code changes
- Supports Commons Validator-enabled ActionForms

Usage

To use existing Struts 1 Actions and ActionForms in a Struts 2 application, create a normal Struts 2 configuration package in `struts.xml`, but have it extend `struts1-default`. The `struts1-default` package contains several interceptors and a default interceptor stack that work the plugin into the Struts 2 request process.

In the most simple case, where you have a Struts 1 Action that you want to use in Struts 2, configure a Struts 2 action using the wrapper:

```
Simple Struts 1 configurationxml <action name="myAction" class="org.apache.struts2.s1.Struts1Action"> <param name="className">com.mycompany.myapp.MyAction</param> <result>myAction.jsp</result> </action>
```

Most likely, you will have an ActionForm that your Struts 1 Action expects. To use an ActionForm, the setup is a little more complicated because you'll need an interceptor that manages the creation and scope (to support request and session scoping like Struts 1) of the ActionForm.

```
Struts 1 Action with a session-scoped ActionFormxml <action name="myFormAction" class="org.apache.struts2.s1.Struts1Action"> <param name="className">com.mycompany.myapp.MyAction</param> <interceptor-ref name="scopedModelDriven"> <param name="className">com.mycompany.myapp.MyForm</param> <param name="name">gangsterForm</param> <param name="scope">session</param> </interceptor-ref> <interceptor-ref name="struts1-default"/> <result>myAction.jsp</result> </action>
```

Example

This example shows a few Struts 1 Actions, a session-scoped ActionForm, and validation that uses Commons Validator:

```
{snippet:url=struts2/apps/showcase/src/main/resources/struts-integration.xml|lang=xml}
```

Settings

This plugin doesn't support any global settings.

Installation

This plugin can be installed by copying the plugin jar into your application's `/WEB-INF/lib` directory. It will need the Struts 1 jar in order to function correctly.