

StrutsDocComments

- **Please DO NOT ASK QUESTIONS HERE!**
- If you have a question about how to use Struts that is not answered by the documentation, you should **post that question to the [Struts User List](#)**
- If you have a specific *comment on the documentation* that you would like to share, please post it here. Additional usage examples and answers to commons questions are especially welcome.
- **BUT, IF YOU ARE ASKING A QUESTION, POST YOUR QUESTION TO THE [STRUTS USER LIST](#).**

This page links to comments pages for the Struts Documentation. There is a Wiki page for each major section of the documentation. If a question mark follows the page, then no comments have been entered for that page yet. Please feel free to click on the question mark and be the first to comment!

Welcome Pages

- [StrutsDocIndex](#)
- [StrutsDocLearning](#)
- [StrutsDocAcquiring](#)
- [StrutsDocUsing](#)
- [StrutsDocVolunteers](#)
- [StrutsDocStatus](#) (roadmap)
- [StrutsDocReleases](#)

JavaDocs

- [Struts 1.3.9 ?doesn't exist?](#)
- [Struts 1.3.8](#)
- [Struts 1.2.9](#)
- [Struts 1.2.8](#)
- [Struts 1.2.7](#)

User Guide

- Preface
- Introduction
- [StrutsModel2](#)
- [Quick Start: from Model 1 to full-blown Struts CRUD application](#)
 - [A simple Model 1 application \(pure JSP\)](#)
 - [A simple Model 2 application \(servlet + JSP\)](#)
 - [Converting Model 2 application into Struts application](#)
 - [Handling user events](#)
 - [Action interaction, form beans, submitting HTML forms](#)
 - [Error messages, redisplaying HTML form with errors, CRUD](#)
- Building Model Components
 - ...
 - [StrutsFormBeans](#)
 - [ActionForm Beans](#)
 - [System State Beans](#)
 - [Business Logic Beans](#)
 - [Lazy Beans](#)
 - [StrutsCatalogLazyList](#)
 - ...
 - [StateManagement](#)
 - [RolloverScope](#)
 - ...
 - [DTO Implementation](#)
 - [DaoRelated](#) – Data Access Frameworks
- [Building View Components](#)
 - ...
 - Forms and [FormBean](#) Interactions
 - [Link Only To Actions](#)
 - Automatic Form Population
 - Automatic Form Validation
 - The Struts Validator
 - [StrutsBeginnerValidatorFramework](#)
 - Page Composition With Tiles
 - [StrutsCatalogVariableScreenFields](#)
 - Errors and Messages
 - [StrutsDeprecatedActionErrors](#)
 - [ActionErrorsAndActionMessages](#)
 - [Displaying messages](#)
 - [Struts message resources](#)
 - [StrutsMessageResourcesFromDatabase](#)
 - [Highlighting error fields](#)
 - ...
 - Using Struts tags, JSTL tags and JSP scriptlets

- [StrutsTags](#) – notes on using Struts tags
 - [StrutsAndJSTL](#) – how to use JSTL with Struts
 - [JSTLTags](#) – Use JSTL tags instead of Struts "logic" and "bean" tags when possible
 - [JSTLTagsBeanMessage](#) – Using <fmt:message> instead of <bean:message>
 - [JSTLTagsNested](#) == Using JSTL, plain HTML or Struts HTML tags instead Struts nested tags
 - [StrutsWidgets](#) – How to create HTML widgets with Struts JSP tag library
 - [StrutsHtmlOptionsInternationalization](#)
- [ServingPdfDocuments](#)
- [Building Controller Components](#)
 - ...
 - [ActionServlet](#) – how request processing works; using of Commons Chain in Struts 1.3.x
 - [RequestProcessor](#)
 - [ComposableRequestProcessor](#)
 - ...
 - Struts Navigation
 - [StrutsNavigationBasics](#) – how Struts implements navigation between web resources
 - [StrutsJumpToAnchor](#) – preselecting an anchor on a page
 - [StrutsBackButton](#) – how to fight with Back button issues in Struts applications
 - [StrutsSmartNavigation](#) – how to retain only the last page state in the browser's history
 - [StrutsWebIslands](#) – how to use one URL for a series of views and to improve user experience
 - [Action Classes](#)
 - [Preconditions](#)
 - [Use Base Action](#)
 - [Implementing Data Entry Form](#)
 - [Using Dispatch Actions](#)
 - [Using rollover scope instead of session](#)
 - [ActionChaining](#)
 - [Developing components with Struts](#)
 - [Synchronous component \(non-Ajax, full page reload\)](#)
 - [Dual-mode component \(Ajax/non-Ajax\)](#)
 - [StrutsWhyOnlyOneInstanceOfActionClass](#) – this discussion has mostly historic value for Struts 1
 - [Uploading/downloading files](#)
 - [StrutsFileUpload](#)
 - [StrutsFileDownload](#)
 - [Web services](#)
 - [StrutsWebService](#) – insights on building web services with Struts
 - [ForwardingWithDifferentParameter](#)
 - ...
- [Configuring Applications](#)
 - [StrutsInitialization](#) - How to initialize your business logic or read configuration files, etc...
 - [StrutsPlugins](#)
 - [StrutsReloadingConfig](#)
 - [WildcardsForActionMappings](#) – How to use advance wildcards
- [Security](#)
 - [ApplicationSecurity](#)
 - [StrutsCatalogHidingPagesUnderWEBINF](#)
 - [BrowserBackAndSecurity](#)
- [Getting Started](#)
 - [Release Notes](#)
 - [Installation](#)
 - [ServletVersions](#)
 - [Struts quick start tutorial](#)
 - [Running](#)
 - [Logging in Struts](#)
 - [Upgrading](#)
 - [Notes on Upgrading](#)
- [StrutsTerminology](#)
- [Common Errors](#)
 - [ErrorCannotRetrieveMappingForAction](#)

Developer Guide

- [Nested Tags](#)

FAQs

- [StrutsDocNewbie](#)
- [StrutsDocHelping](#)

Howto Guides

- [StrutsDocActionForm](#)
- [StrutsDocBuildingApps](#)
- [StrutsDocDatabase](#)
- [StrutsDocIndexed](#)

- [StrutsDocSSL](#)
- [StrutsUpgrade](#) - notes on upgrading
- [StrutsDocTiles](#)

Please also visit the rest of the [Struts Wiki](#).