

Version Notes 6.4.0

- ✔ These are the notes for the Struts version 6.4.0 distribution.
- ✔ For prior notes in this release series, see [Version Notes 6.3.0.2](#)

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Maven users

If you are a Maven user, you might want to get started using the [Maven Archetype](#).

Maven Dependency

```
<dependency>
  <groupId>org.apache.struts</groupId>
  <artifactId>struts2-core</artifactId>
  <version>6.4.0</version>
</dependency>
```

You can also use Struts Archetype Catalog like below

Struts Archetype Catalog

```
mvn archetype:generate -DarchetypeCatalog=http://struts.apache.org/
```

Internal changes

This version uses [Caffeine](#), which "is a high performance, near optimal caching library" that implements the W-TinyLfu algorithm. More details can be found in [WW-5355](#) and PR [#766](#)

Bug

- [\[WW-5192\]](#) - Radio tag not setting enum key values
- [\[WW-5319\]](#) - StrutsUtils is not defined in validation.js
- [\[WW-5357\]](#) - Struts anchor tag doesn't support "disabled" even though docs indicate it does
- [\[WW-5365\]](#) - Radio tag does not support value objects of type Boolean when setting the default value
- [\[WW-5373\]](#) - CspReportAction JavaDoc wrong
- [\[WW-5382\]](#) - Stale configuration persists after configuration reload
- [\[WW-5387\]](#) - ApplicationMap.remove does not remove the entry from the ServletContext
- [\[WW-5392\]](#) - Tiles-Plugin unable to load tiles definition XML if the file names are specified with wild char
- [\[WW-5396\]](#) - Javatemplates s.file shows server/file location
- [\[WW-5403\]](#) - Struts 2.5 to 6.x migration issues caused by removal of deprecated code within a minor release

New Feature

- [\[WW-5402\]](#) - Auto loading the Tiles definition files from the classpath dependent JAR

Improvement

- [\[WW-5225\]](#) - add accessor to the original filename into JakartaMultiPartRequest & MultiPartRequestWrapper
- [\[WW-5328\]](#) - Removes deprecated methods from SecurityMemberAccess & MemberAccessValueStack
- [\[WW-5333\]](#) - Refactor AttributeMap
- [\[WW-5338\]](#) - Remove deprecated OgnlTool
- [\[WW-5339\]](#) - Mitigate against custom class ASTMap node construction

- [\[WW-5340\]](#) - Introduce optional AST node exclusion list
- [\[WW-5341\]](#) - Ensure exclusion list applies to objects from all ClassLoaders
- [\[WW-5342\]](#) - Block classes in default package
- [\[WW-5343\]](#) - Make SecurityMemberAccess extensible and a prototype bean
- [\[WW-5346\]](#) - CDI Plugin: Replace deprecated BeanManager::createInjectionTarget
- [\[WW-5348\]](#) - Allow overriding of logging behaviour in DefaultAcceptedPatternsChecker
- [\[WW-5349\]](#) - Remove core dependency on ognl.ASTVarRef
- [\[WW-5350\]](#) - Implement optional strict class/package allowlist for OGNL
- [\[WW-5352\]](#) - Implement annotation mechanism for injectable fields via parameters
- [\[WW-5354\]](#) - Add actionErrors, actionMessages, fieldErrors to parameter excluded patterns
- [\[WW-5355\]](#) - Integrate and use WTLFU cache by default
- [\[WW-5358\]](#) - Expand exclusion list
- [\[WW-5359\]](#) - Improved the StrutsUrlDecoder so that charset retrieval is performed only once
- [\[WW-5360\]](#) - Struts 2 and JDK 17 numbers of iterator tag when using different locale
- [\[WW-5362\]](#) - Remove type attribute out of <s:script/> tag
- [\[WW-5363\]](#) - Look up Stack last in Velocity context
- [\[WW-5364\]](#) - Automatically populate OGNL allowlist
- [\[WW-5369\]](#) - Re-define a minimal library set for Struts 6.x
- [\[WW-5370\]](#) - Make HttpParameters case-insensitive
- [\[WW-5371\]](#) - Use action based callback to transfer information about uploaded files
- [\[WW-5374\]](#) - CspInterceptor reportUri with context
- [\[WW-5377\]](#) - trouble with Struts tags nested within <s:script> one
- [\[WW-5378\]](#) - Add option to not fallback to context lookup when finding value in OgnlValueStack
- [\[WW-5379\]](#) - Implement alternative mechanism for Velocity directives to obtain stack
- [\[WW-5381\]](#) - Introduce extension points for CompoundRootAccessor and MethodAccessor
- [\[WW-5383\]](#) - Exclude JAR files by default when scanning for actions on JDK9+
- [\[WW-5391\]](#) - Add interface for VelocityManager extension point
- [\[WW-5401\]](#) - Adds more logging statements around validating and accepting MultiPartRequest

Task

- [\[WW-5394\]](#) - Use request encoding in rest plugin

Dependency

- [\[WW-5344\]](#) - Un-deprecate the Sitemesh plugin and upgrade Sitemesh to ver. 2.5.0
- [\[WW-5347\]](#) - Upgrade to commons-digester3 version 3.2
- [\[WW-5389\]](#) - Upgrade Log4j to version 2.21.1
- [\[WW-5395\]](#) - Upgrade commons-logging:commons-logging from 1.2 to 1.3.0
- [\[WW-5397\]](#) - Upgrade net.sf.jasperreports:jasperreports from 6.20.6 to 6.21.0
- [\[WW-5398\]](#) - Upgrade commons-validator:commons-validator from 1.6 to 1.8.0
- [\[WW-5399\]](#) - Upgrade org.apache.commons:commons-compress from 1.25.0 to 1.26.0
- [\[WW-5404\]](#) - Bump log4j2.version from 2.21.1 to 2.23.1

Issue Detail

- [JIRA Release Notes 6.3.0](#)

Issue List

- [Struts 6.3.0 DONE](#)
- [Struts x.x.x TODO](#)

Other resources

- [Commit Logs](#)
- [Source Code Repository](#)