

Release Notes 5.7.0

Tapestry 5.7.0 is a new major version which needs a migration step for projects using previous versions. To upgrade, update the dependency in your build configuration (Maven POM, Gradle build script, etc.) – or [Download](#) the new JAR file. Please check the Upgrade Guide section below for details. This is a step that only needs to be done once. Please also review the [How to Upgrade](#) instructions before upgrading.

The main new features are:

- Partial Java 9+ modules (JPMS) support. It's partial because module-info.java classes are not provided yet. On the other hand, Tapestry's JARs don't have split packages anymore, making them easier to be used with Java 9+ modules. Many classes had to be moved to other packages, and sometimes even to a different JAR. The migration tool mentioned above will take care of updating your code so it uses the correct new fully-qualified class names for the ones that were moved and/or renamed.
 -  [TAP5-2641](#) - Turn the Tapestry subprojects into Java 9+ modules (JPMS) RESOLVED
 -  [TAP5-2627](#) - Fix split packages RESOLVED
- TypeCoercer now uses mapped configuration so coercion overrides are done in an explicit manner.
 -  [TAP5-2650](#) - Change TypeCoercer configuration to MappedConfiguration CLOSED
- It's not possible to use the Tapestry request handling framework, specially the RequestFilter, Dispatcher, Request, Response and HttpServletRequestFilter classes, without the page framework. These classes were moved to a new artifact, tapestry-http, which can be used in place of tapestry-core (which depends on tapestry-http). tapestry-http Servlet filter class is org.apache.tapestry5.http.TapestryFilter. The original TapestryFilter, from org.apache.tapestry5, can be used in the same way way as in past Tapestry versions.

5.7.0 Upgrade Guide

The first step is running the source code migration tool:

- Download the migration tool jar from <https://repo1.maven.org/maven2/org/apache/tapestry/tapestry-version-migrator/5.7.0/tapestry-version-migrator-5.7.0.jar>
- Run "java -jar tapestry-version-migrator-5.7.0.jar upgrade 5.7.0" (without quotes) in the command line. It will process all .java files found in the current folder and its subfolders, recursively.

The second step is updating how contributions to the TypeCoercer service in case your projects have them. Here's a real example from Tapestry itself. It used to be done using Configuration, but now it's MappedConfiguration. If you had a contribution method like this:

```
@Contribute(TypeCoercer.class)
public static void provideCoercions(Configuration<CoercionTuple> configuration)
{
    configuration.add(CoercionTuple.create(String.class, JSONObject.class, new StringToJSONObject()));
}
```

it should be changed to this:

```
public static void provideCoercions(MappedConfiguration<CoercionTuple.Key, CoercionTuple> configuration)
{
    CoercionTuple<String, JSONObject> stringToJsonObject = CoercionTuple.create(
        String.class, JSONObject.class, new StringToJSONObject());
    configuration.add(stringToJsonObject.getKey(), stringToJsonObject);
}
```

Improvements made

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
TAP5-2662	Make BeanEditor /BeanEditForm /FormGroup more accessible		Feb 12, 2021	Feb 12, 2021		Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo		CLOSED	Fixed
TAP5-2657	Blacklist modules autoloaded via manifests		Dec 31, 2020	Feb 11, 2021		Ben Weidig	Ben Weidig		CLOSED	Fixed
TAP5-2655	Create annotation to disable validation in event handler methods		Dec 29, 2020	May 05, 2022		Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo		CLOSED	Fixed

TAP5-2654	Remove Asset2 by merging it into Asset	↑	Dec 16, 2020	Mar 28, 2022	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	CLOSED	Fixed
TAP5-2653	Upgrade tapestry-spring's spring-web version to 3.2.9	↑	Dec 08, 2020	Dec 08, 2020	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	CLOSED	Fixed
TAP5-2652	Upgrade EclipseLink version in tapestry-jpa to 2.7.7, the latest	↑	Dec 06, 2020	Dec 08, 2020	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	CLOSED	Fixed
TAP5-2651	TypeCoercer should favor exact match coercions over intermediate ones	↑	Dec 06, 2020	Feb 11, 2021	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	CLOSED	Fixed
TAP5-2650	Change TypeCoercer configuration to MappedConfiguration	↑	Dec 01, 2020	Jun 05, 2022	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	CLOSED	Fixed
TAP5-2649	Configuration should have consistent ordering	↑	Nov 26, 2020	Feb 11, 2021	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	CLOSED	Fixed
TAP5-2645	Java Time API / JSR310 Type Coercers	↑	Oct 16, 2020	Feb 12, 2021	Ben Weidig	Ben Weidig	⋮	CLOSED	Fixed
TAP5-2644	Split HTTP-specific classes from tapestry-core into tapestry-http	↑	Oct 08, 2020	Dec 02, 2020	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	CLOSED	Fixed
TAP5-2641	Turn the Tapestry subprojects into Java 9+ modules (JPMS)	↑	Sep 06, 2020	Jun 25, 2023	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	RESOLVED	Fixed
TAP5-2640	tapestry-json improvements (implement Collection /Map, better exceptions)	↑	Sep 06, 2020	Feb 11, 2021	Ben Weidig	Ben Weidig	⋮	CLOSED	Fixed
TAP5-2627	Fix split packages	↑	Jun 01, 2020	Jan 30, 2021	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	RESOLVED	Fixed
TAP5-2613	Make the build of tapestry itself pass on Java 11	✓	Aug 26, 2019	Dec 02, 2020	Dmitry Gusev	Dmitry Gusev	⋮	CLOSED	Fixed

15 issues

Bugs fixed

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
TAP5-2661	Allow options to be passed to GoogleClosureMinimizer	🔴	Jan 29, 2021	Feb 15, 2021		Ben Weidig	Geoff Callender	⋮	CLOSED	Fixed
TAP5-2660	Empty string and null namespaces should be treated as the same in Element	🔴	Jan 26, 2021	Jan 26, 2021		Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo	⋮	CLOSED	Fixed

TAP5-2659	Direct instantiation of ComponentResourceSelector should be replaced with delegation to ComponentRequestSelectorAnalyzer		Jan 11, 2021	Jun 20, 2021	Thiago Henrique De Paula Figueiredo	Dmitry Gusev		CLOSED	Fixed
TAP5-2658	Tuple should implement hashCode based on its values		Jan 06, 2021	Feb 11, 2021	Ben Weidig	Ben Weidig		CLOSED	Fixed
TAP5-2656	Disabling strict CSS URL rewriting still throws exceptions for non-existing files		Dec 30, 2020	Jan 19, 2021	Thiago Henrique De Paula Figueiredo	Thiago Henrique De Paula Figueiredo		CLOSED	Fixed
TAP5-2636	Non-unique advice IDs silently override each other in random order on application startup		Aug 17, 2020	Feb 11, 2021	Thiago Henrique De Paula Figueiredo	Dmitry Gusev		CLOSED	Fixed

6 issues