Upgrading to Version 6.0

Core Container

The JSR-330 based @Inject annotation is to be found in jakarta.inject now. The corresponding JSR-250 based annotations @PostConstruct and @PreDestroy are to be found in jakarta.annotation. For the time being, Spring keeps detecting their javax equivalents as well, covering common use in pre-compiled binaries.

Data Access and Transactions

Due to the Jakarta EE migration, make sure to upgrade to Hibernate ORM 5.6.x with the hibernate-core-jakarta artifact, alongside switching your javax.persistence imports to jakarta.persistence. The corresponding Hibernate Validator generation is 7.0.x, based on jakarta.validation.

Web Applications

Due to the Jakarta EE migration, make sure to upgrade to Tomcat 10, Jetty 11, or Undertow 2.2.14 with the undertow-servlet-jakarta artifact, alongside switching your javax.servlet imports to jakarta.servlet.

Several outdated Servlet-based integrations have been dropped: e.g. Commons FileUpload and Tiles, as well as FreeMarker JSP support. We recommend StandardServletMultipartResolver for multipart file uploads and regular FreeMarker template views if needed, and a general focus on REST-oriented web architectures.

Spring MVC and Spring WebFlux no longer detect controllers based solely on a type-level <code>@RequestMapping</code> annotation. That means interfaced based AOP proxying for web controllers may no longer work. Please, enable class based proxying for such controllers or otherwise the interface must also have <code>@Controller</code>, see 22154.

HttpMethod is a class and no longer an enum. Though the public API has been maintained, some migration might be necessary (i.e. change from <code>EnumSet<HttpMethod></code> to <code>Set<HttpMethod></code>, use <code>if else</code> instead of <code>switch</code>). For the rationale behind this decision, see 27697.

The Kotlin extension function to <code>WebTestClient.ResponseSpec::expectBody</code> now returns the Java <code>BodySpec</code> type, and no longer uses the workaround type <code>KotlinBodySpec</code>. Spring 6.0 uses Kotlin 1.6, which fixed the bug that needed this workaround (KT-5464). This means that <code>consumeWith</code> is not longer available.