

Tools Vendor Datasheet Jakarta EE 9

Namespace migration
challenge & opportunity



Background

Release 9 of Jakarta EE marks a critical phase in the evolution from Java EE to the open, cloud native platform needed for the future. The milestone release provides early access to the major namespace changes (javax.* to jakarta.*). While being functionally and architecturally equivalent to Jakarta EE 8, this is a breaking change affecting

over 30 individual specifications developed over 20 years including Servlets, JAX-RS and JPA. Many implementations have completed or are soon completing the migration. Tool vendors, IDEs and cloud providers need to start now to migrate, in preparation for the expected Fall 2020 full release.

Key elements of milestone release:

- > javax.* namespace no longer valid; need to use jakarta.*
- > Implementations are available for tools vendors to begin development and testing, including
 - API jars are available for all components
 - Initial component implementations for all APIs
 - Initial TCKs for all APIs
 - Draft Full Platform and Web Profile specifications
- > Available on JDK 8; JDK 11 support planned post GA

Tools vendors that take advantage of the Jakarta EE 9 release to do the namespace change will have the lowest cost/time migration possible. Tools vendors that wait until Jakarta EE 10 will need to cope with new features, enhancements and other major changes in addition to namespace migration.

Implementation Roadmaps

The following components, and implementations are just a few currently leveraging the preview release. As of the identified versions and timing they will be fully aligned with the jakarta.* namespace and your software will likely be unable to support or run on these versions. Now is the time to move.

Implementation	Version (supporting Jakarta EE 9)	Available
Eclipse GlassFish	6.0 (download)	now
Apache Tomcat	10.0 M6 (download)	now
Jetty	11.0.0-alpha0 (download)	now
Payara Platform	6 (milestone release soon)	Q4
Open Liberty	20.0.0.7 Beta (download)	now
Apache TomEE	9.0.0-M1 (download)	now
WildFly	21	Fall
Piranha Micro	20.6.1 (download)	Q3
Eclipse Jersey	3.0.0-M1 (download)	now

Jakarta EE 9 Full Release

The full release of Jakarta EE 9 is planned for Fall 2020 and we will promote the extensive list of tools that are aligned with this new release, as part of our outreach plans. This may include promoting milestones, betas, early access implementations or roadmap information on your products. Let's work together to make sure you are part of the full release party.

Complete Affected Packages

 Full Affected Packages

Name	Description
javax.activation	JavaBeans™ Activation Framework
javax.annotation	Common Annotations for the Java Platform
javax.batch	Batch Applications for the Java Platform
javax.decorator	Contexts and Dependency Injection for Java
javax.ejb	Enterprise JavaBeans
javax.el	Expression Language
javax.enterprise	Contexts and Dependency Injection for Java
javax.enterprise.concurrent	Concurrency Utilities for Java EE
javax.faces	JavaServer Faces
javax.inject	Dependency Injection for Java
javax.interceptor	Interceptors
javax.jms	Java Message Service
javax.json	Java API for JSON Processing
javax.json.bind	Java API for JSON Binding
javax.jws	Implementing Enterprise Web Services
javax.mail	JavaMail
javax.persistence	Java Persistence API
javax.resource	Java EE Connector Architecture
javax.security.auth.message	Java Authentication Service Provider Interface for Containers (JASPIC)
javax.security.enterprise	Java EE Security API
javax.security.jacc	Java Authorization Contract for Containers (JACC)
javax.servlet	Java Servlet
javax.servlet.jsp	JavaServer Pages
javax.servlet.jsp.jstl	Standard Tag Library for JavaServer Pages (JSTL)
javax.transaction	Java Transaction API (JTA)
javax.validation	Bean Validation
javax.websocket	Java API for WebSocket
javax.ws.rs	Java API for RESTful Web Services (JAX-RS)
javax.xml.bind	Java Architecture for XML Binding (JAXB)
javax.xml.soap	Java API for XML-Based Web Services (JAX-WS)