Jozi-JUG JCP Elections 2014 - Page 1/2

JCP
The Java Community Process (JCP), established in 1998, is a formalized mechanism that allows interested parties to develop standard technical specifications for Java technology. Anyone can become a JCP Member by filling a form available at the JCP website.
--Wikipedia

JSR
The JCP involves the use of Java Specification Requests (JSRs) – the formal documents that describe proposed specifications and technologies for adding to the Java platform.
--Wikipedia

JEP
The JDK Enhancement Proposal (or JEP) is a process drafted by Oracle Corporation for collecting proposals for enhancements to the Java Development Kit and OpenJDK. The JEP process is not intended to replace the Java Community Process, which is still required to approve changes in the Java API or language but rather to allow for OpenJDK committers to work more informally before becoming a formal Java Specification Request.

	Effects core Java	Effects Tomcat or Jetty containers	Effects Spring	Effects Java EE 8 containers
JSR 370 Adding support for HTML5 Server-Sent Events (SSE). Investigating the reactive programming paradigm as a way to improve the JAX-RS asynchronous client API. Exploring support for non-blocking I/O in providers (filters, interceptors, etc.).		✓	✓	✓
JSR 369 Servlet 4.0. This JSR aims to expose the latest advances in HTTP (HTTP 2) to users of JavaEE as well as providing a vehicle for continual improvement in this foundational Java EE API.		✓	✓	✓
JSR 367 A standard binding layer (metadata & runtime) for converting Java objects to/from JSON messages.	✓	✓	✓	✓
JSR 365 This JSR is a major evolution of the CDI 1.1 (JSR 346) specification. Focused on modularity and Java SE support.	✓			
JSR 363 This JSR specifies one or more Java packages for the programmatic handling of physical quantities and their expression as numbers of units.	✓	✓	✓	✓
JSR 364 This aims to broaden JCP participation by defining new membership classes, changing existing membership categories, enabling participation by the community, and ensuring the appropriate Intellectual Property commitments from JCP Members.	✓	✓	✓	✓

Jozi-JUG JCP Elections 2014 - Page 2/2

	Effects core Java	Targets Java version	Status
JEP 159 Also know as Dynamic Code Evolution VM (DCE VM) The current hotswapping mechanism of the HotSpot(TM) VM allows only changing method bodies. The DCE VM enhanced VM allows adding and removing fields and methods as well as changes to the super types of a class.	✓	8u40	Submitted
JEP 200 Divide the JDK into a set of modules that can be combined at compile time, build time, install time, or run time into a variety of configurations	✓	9	Candidate
JEP 210 Reduce LambdaForm creation and use caching to improve the performance of dynamic languages.	✓	8u40	Complete
JEP 218 Extend generic types to support the specialization of generic classes and interfaces over primitive types.	✓	9	Candidate
JEP 8043364 Provides an interactive access for the evaluation of declarations, statements, and expressions of the Java Programming Language.This code context can contain previous code bases, interactively defined and modified methods and classes, and previous input to the REPL.	✓	9	Unsubmitted
JEP 8048330 Over the past several years there have been a few proposals floated to change the Java programming language to support "collection literals." The use case is to create a collection containing a small number of elements known at compile time.	✓	9	Unsubmitted

More info can be found at :

http://openjdk.java.net/jeps/0

https://java.net/projects/adoptajsr/pages/Home