JCP Training: General Session

5 May 2008
JavaOne - San Francisco
Harold Ogle

Community Development of Java Technology Specifications
Overview

- What is the JCP?
- JCP Versions
- Types of Participation
- JSR Timeline
- Using the site
- Q&A
JCP stands for “Java Community Process”

- Home of the international Java developer community working to develop and evolve Java technology specifications, Reference Implementations, and Technology Compatibility Kits

- The process by which groups of developers collaborate in Expert Groups to develop these specifications

- The web site that provides information on this process and its products (specifications, RIs and TCKs)
A Brief History of the JCP

• JCP launched in December 1998 (version 1.0) - JSPA 1, PMO arbitrated JSRs, Sun-owned final copyright

• JCP 2.0 rolled out in June 2000 - creation of the Executive Committee

• JCP 2.1 revision completed July 2001 - updating the EC voting rules

• JCP 2.5 revision completed October 2002 - JSPA 2, Spec Lead owns final copyright

• JCP 2.6 revision completed March 2004 - transparency, TCK requirements
Common Terms/Abbreviations

- **JCP 2.6 (1.0/2.1)** – version iterations of the process, all are in use
- **JSR** – Java Specification Request
- **JSPA** – Java Specification Participation Agreement
- **EC** – Executive Committee: elected body that votes on all JSRs
- **RI** – Reference Implementation
- **TCK** – Technology Compatibility Kit
Common Terms/Abbreviations

- JSR – Java Specification Request
- EDR – Early Draft Review (first review in JCP 2.6)
- PR – Public Review
- PFD – Proposed Final Draft
- FAB – Final Approval Ballot
- FR – Final Release
- MR – Maintenance Review
- MREL – Maintenance Release (update to a Final Release)
Types of Participation

• Public – can view most of the site, comment on draft specifications

• JCP Member – same as public, plus access to Update pages of JSRs, participating in Member events and EC elections, can lead and participate on JSR Expert Groups

• Expert on a JSR - a Member representative who collaborates with a group of other developers to create a Java Specification within a JSR

• Spec Lead of a JSR – a Member representative who leads the development efforts of an Expert Group, as well as creating and maintaining the RI and TCK

• Executive Committee – an elected or ratified Member representative serving a three-year term reviewing and voting on JSRs. There are two ECs: one for Java ME, the other for Java EE and Java SE JSRs.
JCP: Process Timeline

1. Initiation
   - JSR Review & EC Vote
   - 14 days

2. Early Draft
   - Expert Group Formed
   - Early Draft
   - 30-90 days

   - Public Review
   - EC Vote
   - Proposed Final Draft
   - Final Approval Ballot
   - Final Release
   - 30-90 days last 7 days
   - 14 days

4. Maintenance
   - Maintenance Review
   - EC Item Exception Vote
   - 30 days last 7 days
JCP Timeline - continued

- JCP Member submits a JSR at initiation
- JSR Approval Ballot is held for 14 days – EC votes and public comments
- Once approved, Spec Leads forms the Expert Group
- As the Expert Group forms, it begins to work on the first, Early Draft of the specification
- Early Draft is submitted and posted for Early Draft Review
- EG works on next draft, the Public Review Draft
- PR is held – EC votes on the last 7 days of the review
- EG works on and then submits PFD for posting
- Spec Lead finishes the RI and TCK
JCP Timeline - continued

- Once EG agrees, Spec Lead submits materials for FAB
- FAB is held for 14 days – EC votes on final materials
- Once approved, Spec Lead submits FR which is then posted
- EG work is finished, but Spec Lead continues in JSR Maintenance
- Proposed changes collected in Change Log
- Change Log submitted for Maintenance Review – EC votes for last 7 days
- Once approved, proposed changes are incorporated into Specification revision
- Revised specification is posted as Maintenance Release
Using jcp.org

The Java Community Process

List of all JSRs
Join now
Spec Lead Guide
Expert Group Login
Calendar
FAQ

JCP Program Survey
Please click here to take the JCP program Survey. Tell us what you think!

JSRs: Java Specification Requests
JSR 270: Java™ SE 6 Release Contents

The Umbrella JSR for the Java™ SE 6 release

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21 Dec, 2005
15 Feb, 2006
01 Mar, 2005
28 Feb, 2006

Specification Lead
Mark Reinhold, Sun Microsystems, Inc.

Expert Group
Apache Software Foundation
Conservancy
IBM
Lati, Daniel
MeeM, Michael
Sun Microsystems
SAS Institute

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JSRs: Java Specification Requests

JSR 270: Java™ SE 6 Release Contents

The Unofficial J2EE for the Java™ SE 6 release

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JCP version in use 2.0
Java Specification Participation Agreement version in use 2.0
Please direct comments on this JSR to jcp270-comments@jcp.org

Specification Lead
Mark Reinhold - Sun Microsystems, Inc.

Expert Group
Apache Software Foundation
Borland
IBM
Lanai, Dan
SASA Institute Inc.

Updates to Original JSR
296-10-24

Please provide a description of the business terms for the Specification, TCK and TCK that will apply when this JSR is final.

The Java Platform, Standard Edition ("Java SE") is the core Java platform for desktop and server environments. The Java SE specification defines a wide range of general purpose APIs and also includes the Java Language Specification and the Java Virtual Machine Specification. In addition to being used standalone on servers, Java SE is also used as the basis for the Java Platform, Enterprise Edition ("Java EE") within the execute and extended J2EE. Within the native and extended J2EE, Java EE technology (including APIs, language features, and JVM features) are often referred within Java Platform, Micro Edition ("Java ME")

The following is an overview of Sun's planned license terms and conditions for Java SE 6.0, for use in general purpose desktop and server environments:
To become a JCP Member, you or your organization must sign the JSPA.

Agreements are then signed by Sun and returned to you by fax or post.

Most individuals may participate under their own title, separate from their employer. The employer must confirm the individual's participation.

Membership for organizations confers membership rights onto every employee of that organization.

Information and instructions on becoming a member are located here: http://jcp.org/en/participation/membership
Thank you!

Harold Ogle

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