

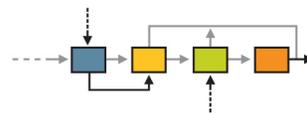


JCP Training: General Session

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**

What is the JCP?



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



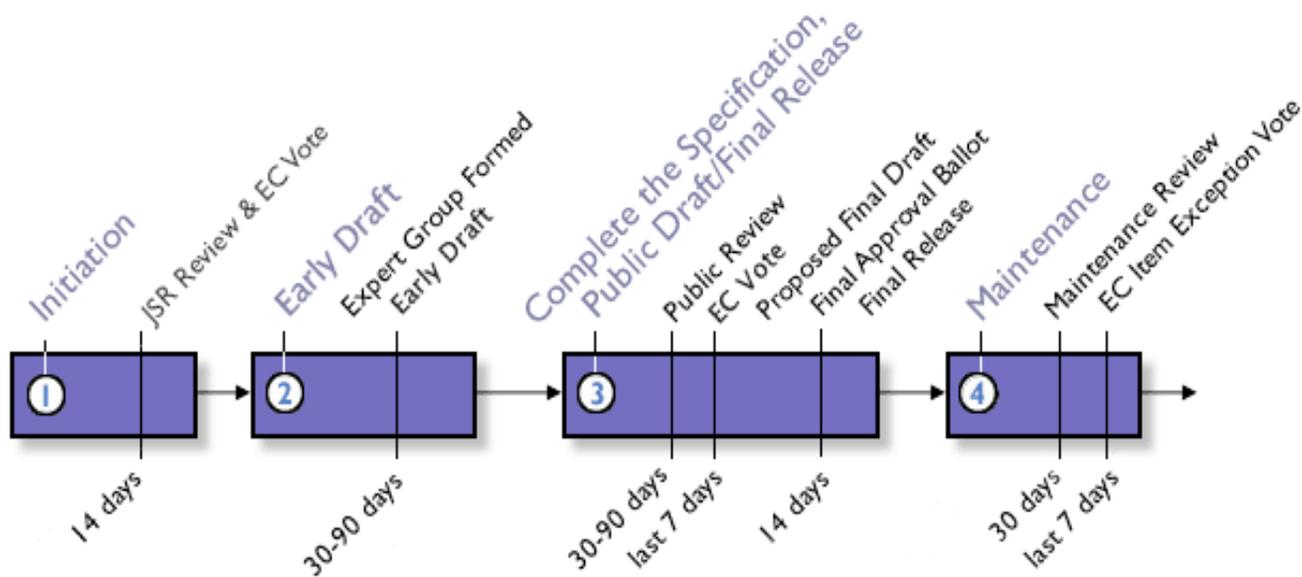
- **JSR – Java Specification Request**
- **EDR – Early Draft Review (first review in JCP 2.6)**
- **PR – Public Review**
- **PFD – Proposed Final Draft**
- **FAB – Final Approval Ballot**
- **FR – Final Release**
- **MR – Maintenance Review**
- **MREL – Maintenance Release (update to a Final Release)**

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



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(SM) Program - JSRs: Java Specification Requests - detail JSR # 270 - Mozilla Firefox

http://jcp.org/en/jsr/detail?id=270

EC Resources INFO Participants JSRs Procedures SunWeb JCP PMO Procedures Add to Fanpop Bugzilla

Java Community Process

Community Development of Java Technology Specifications

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.

Status: Final	Start	Finish
Stage		
Final Release	11 Dec, 2006	
Final Approval Ballot	24 Oct, 2006	06 Nov, 2006
Proposed Final Draft	19 Oct, 2006	
Public Review Ballot	19 Sep, 2006	25 Sep, 2006
Public Review	22 Aug, 2006	26 Sep, 2006
Early Draft Review	21 Dec, 2005	19 Feb, 2006
Expert Group Formation	01 Mar, 2005	29 Mar, 2005
JSR Review Ballot	15 Feb, 2005	28 Feb, 2005

JCP version in use: 2.5
Java Specification Participation Agreement version in use: 2.0
Please direct comments on this JSR to: jsr-270-comments@jcp.org

Specification Lead
Mark Reinhold Sun Microsystems, Inc.

Expert Group

Apache Software Foundation	BEA Systems	Back, David W
Capgemini	Google Inc.	Hewlett-Packard
IBM	Intel Corp.	Lea, Doug
Leuck, Daniel	Oracle	Pullara, Samuel
Red Hat Middleware LLC	Santos, Michael Nascimento	SAP AG
SAS Institute Inc.	Sun Microsystems, Inc.	Thoughtworks, Inc.

Expert Group Private Page

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Using jcp.org



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JSRs: Java Specification Requests

JSR 270: Java™ SE 6 Release Contents

The Umbrella JSR for the Java™ SE 6 release.

Status: Final	Stage	Start	Finish
Final Release	Download page	11 Dec, 2006	
Final Approval Ballot	View results	24 Oct, 2006	06 Nov, 2006
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Early Draft Review	Download page	21 Dec, 2005	19 Feb, 2006
Expert Group Formation		01 Mar, 2005	29 Mar, 2006
JSR Review Ballot	View results	16 Feb, 2005	28 Feb, 2006

JCP version in use: 2.6
Java Specification Participation Agreement version in use: 2.0
Please direct comments on this JSR to jsr-270-comments@jcp.org

Specification Lead

Mark Reinhold Sun Microsystems, Inc.

Expert Group

Apache Software Foundation	BEA Systems	Bock, David W
Capgemini	Google Inc.	Hewlett-Packard
IBM	Intel Corp.	Lea, Doug
Leuck, Daniel	Oracle	Pullara, Samuel
Red Hat Middleware LLC	Santos, Michael Nascimento	SAP AG
SAS Institute Inc.	Sun Microsystems, Inc.	Thoughtworks, Inc.

[Expert Group Private Page](#)

[JSR Community Update Page](#)

Updates to Original JSR

2006.10.24

2.18 Please provide a description of the business terms for the Specification, RI 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 base for Java Platform, Enterprise Edition ("Java EE"). Within the device and embedded space, Java SE technologies (including APIs, language features, and JVM features) are often reused within Java Platform, Micro Edition ("Java ME") JSRs.

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:

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Using jcp.org



JSR-000270 Java(tm) SE 6 Release Contents - Final Release - Mozilla Firefox

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http://jcp.org/aboutJava/communityprocess/final/jsr270/index.html

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JCP Procedures
Community Resources
Participation
Press & Success
Introduction

JSR-000270 Java(tm) SE 6 Release Contents (Final Release)

This is the Final Release of this Specification, as described in [Section 3.6](#) of the Java Community ProcessSM Program, version 2.6.

Specification:

- If you want to read the specification for evaluation, or to build an application that uses the specification, click here.
[Download](#)
- If you intend to build an implementation of the specification, click here.
[Download](#)

Maintenance Lead:

- Mark Reinhold
Sun Microsystems, Inc.
Please send comments to jsr-270-comments@jcp.org.

Reference Implementation and Technology Compatibility Kit:

- [Reference Implementation](#)
- The TCK is available to Java SE platform licensees through the Java Partner Engineering web site:
<http://www.sun.com/software/jpe/>

The TCK will be available to Qualified Not-for-Profits and Qualified individuals for no charge as per Section F.III of the [JSPA 2](#). Details on the Compatibility Testing Scholarship Program can be found at <http://java.sun.com/scholarship/>.

Change Log:

- [Change Log for JSR 270](#)

See Also
[JSR-000270 Java\(tm\) SE 6 Release Contents Detail Page](#)
[List of Final Releases Page](#)
[Java Community Process Main Page](#)

What's New | JSRs | JCP Procedures

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Becoming a JCP Member



- **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>**

Questions & Answers



Java
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Thank you!



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harold@jcp.org