



JCP State of the Nation FOSDEM 2013

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February 2013



Beer

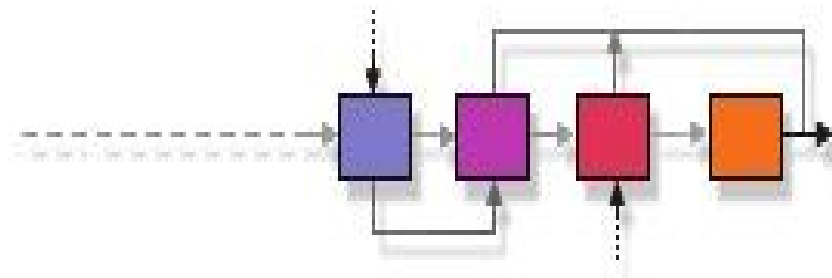


Chocolate



3 WHO/FAO: Codex Alimentarius Official Standard for Chocolate

Java



Community Development of
Java Technology Specifications

Agenda



- Community.
- JCP.Next and Participation.
- What changes you want to see.

Community Statistics



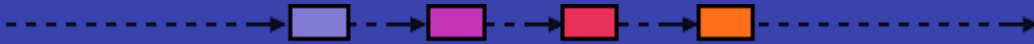
- In 14 years, more than 350 JSRs have been submitted.
 - 29 Active JSRs
 - <http://jcp.org/en/jsr/all?statusOnly=Active&activeMonths=12>
- 80+ different Members have led JSRs, including open source groups and individuals.
- Platform Success: the JCP has delivered four versions of Java Enterprise Edition, four versions of Java Standard Edition and two versions of Java Micro Edition.
 - Some Active Java SE JSRs:
 - JSR 337, Java SE 8 Release Contents, submitted.
 - JSR 335, Lambda Expressions in EDR3.
 - JSR 310, Data and Time API in EDR2.
 - JSR 308, Annotations on Java Types in EDR2.

The membership



- Anyone can join.
- Total membership is approximately 1,500.
- 12,000 registered users at jcp.org.
- Fees:
 - Java Licensees: free.
 - Individuals: free
 - Java User Groups: free.
 - Non-profit organizations: \$2K/year.
 - Commercial organizations: \$5K/year.

Join the JCP



- Join the JCP program as a corporation, non-profit, or individual.
 - Free for non-profits , Java User Groups, and individuals!
- See **<http://jcp.org/en/participation/membership2>**
- Register for an account on JCP.org.
- Download, fill out, and scan/fax/mail the JSPA form to the JCP Program Office.

Constitutional change



Legal framework and governance



- Java Specification Participation Agreement (JSPA)
 - A legal contract between members and Oracle.
 - Addresses Intellectual Property (IP) grants and the terms under which the spec, RI, and TCK should be licensed.
 - <http://www.jcp.org/aboutJava/communityprocess/JSPA2.pdf>.
- The Process Document
 - Defines the governance of the organization.
 - Defines the processes that are used to submit define, develop, review, approve, and maintain specifications.
 - Defines the obligations to produce an RI and TCK.
 - <http://jcp.org/en/procedures/jcp2>.

Using the Process to change the Process



- We modify the Process (as defined in the *Process Document* and the *JSPA*) by filing JSRs.
 - The Chair is the Spec Lead, and the Executive Committee members form the Expert Group.
 - Process-change JSRs go through all of the same stages as regular JSRs.
 - The output is a new version of the Process Document and/or the JSPA.

JCP.next



- A series of three JSRs initiated in 2011:
- *JSR 348: Towards a new version of the Java Community Process* completed in October 2011.
- This JSR focused on relatively simple changes that we were able to implement within about six months.
- *JSR 355: Executive Committee Merge* completed in August 2012.
 - Implementation began in October 2012 and will be completed in October 2013.
- *JSR 358: A major revision of the Java Community Process* is in progress now.
 - This JSR will implement more complex changes and will modify the JSPA as well as the Process Document.

JCP.next.1 (JSR 348)



- JSR 348: Towards a new version of the Java Community Process was deliberately focused on relatively simple changes that we were able to implement within about six months.
- It was completed in October 2011 and implemented version 2.8 of the Process Document.
- All complex matters, including anything that would require modifying the JSPA, were postponed until JCP.next.3.
- The JSR was completed within 6 months and implemented a number of important changes in the following areas:
 - Transparency.
 - Participation.
 - Agility.

Transparency



Expert Group transparency



- Must do all substantive business on a public mailing list.
- Must track issues in a public issue tracker.
- Members of the public must be able to comment on the EG's work.
- EG must publicly respond to all comments.
- License terms must be fully disclosed in advance.

Participation

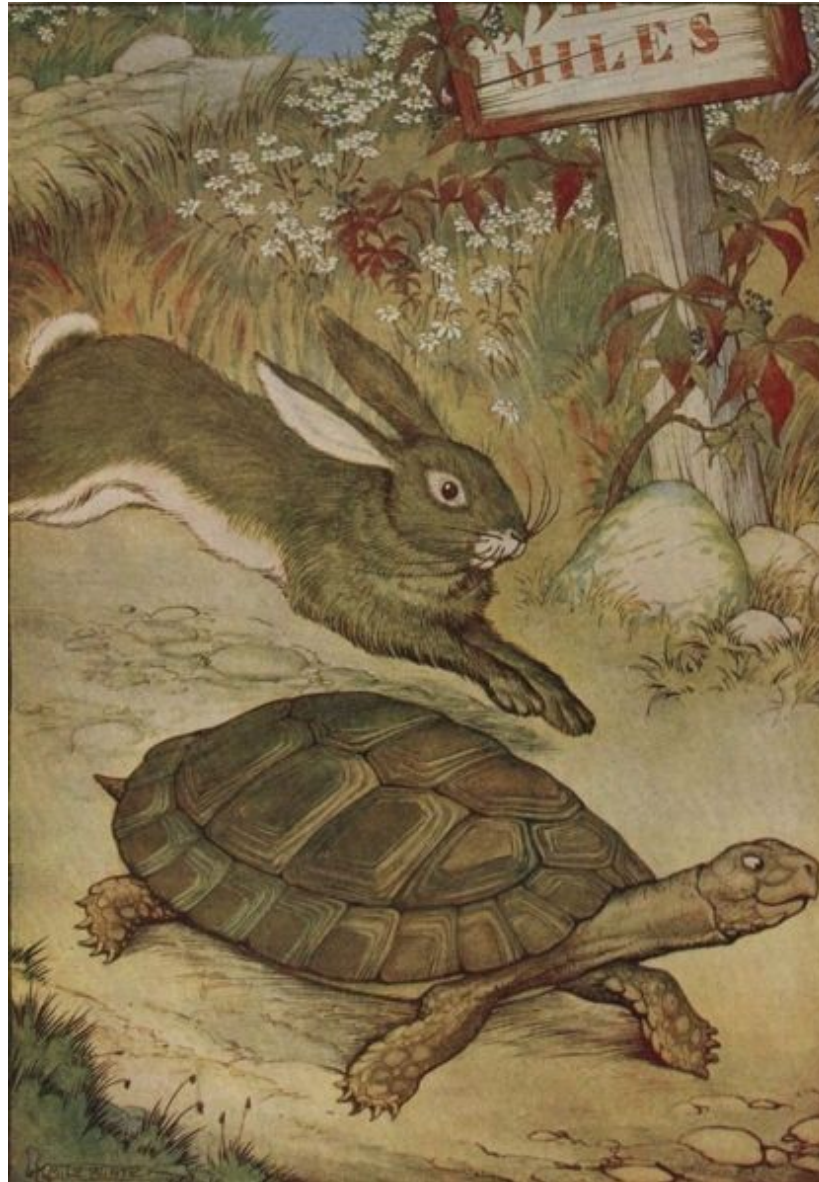


Participation



- Requests to join EGs, the Spec Lead's responses, and decisions to remove or replace EG members, must be reported on the EG's public alias.
- Better processes for dealing with uncooperative, unresponsive, or disruptive EG members and Spec Leads.
- EC members who miss two consecutive meetings lose their voting privileges until they have again attended two.
- EC members who miss 5 meetings in a row or 2/3 of the meetings in a 12 month period lose their seat.
 - Several non-participating EC members lost their seats in 2012.

Agility



Agility



- Time-outs for inactive JSRs.
 - Must reach Early Draft within 9 months, Public Draft one year after that, or Final Release within another year.
 - If not, the EC can initiate a JSR Renewal Ballot and may vote to withdraw the JSR.
- Simplify the Maintenance Release process.
- Clarify the Final Release and Maintenance processes to ensure that completed/updated Spec, RI, and TCK are posted promptly.
- Ensure that links to RI and TCK are maintained.
 - If broken and not fixed, JSR must revert to “incomplete” stage.

JCP.next.2 (JSR 355)



JSR 355 (the EC merge)



- Because *Java is One Platform*, and because we expect ME and SE to converge over time, JSR 355 was introduced to merge the two Executive Committees into one.
- This JSR reduced the number of EC members but keeps the same ratio (2:1) of ratified and elected seats.
 - Oracle gave up one of its permanent seats.
 - No other member may hold more than one seat.
- No other significant changes to our processes.

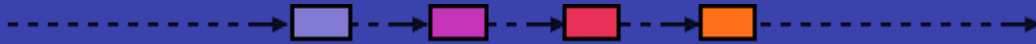
That was easy!



JCP.next.3 (JSR 358)



Modifying the JSPA



- The JSPA has not been significantly modified since 2002. (some minor changes were introduced in 2005).
- Since then the organization and the environment in which we operate have changed significantly.
- The document is long-overdue for updating and cleanup.
- However, it is extremely complex and difficult to understand.
- We must be very careful when making changes.
- Plus...

All the lawyers will get involved



Our shopping list



- Intellectual Property (IP) flow.
- Compatibility policy.
- Licensing and open-source.
- Independent implementations.
- The role of the RI.
- The role of individuals.
- Transparency.
- Refactoring the JSPA.
- Fee structure.
- And more (see the **Issue Tracker** for the full list.)

Why it matters



- The JSPA defines the way in which IP is granted and the terms under which the spec, RI, and TCK must be licensed.
- We hope to simplify licensing models while still guaranteeing compatibility and ensuring that the technologies we incorporate into Java are "safe" from an IP perspective, so that people can implement them and use them with confidence.

Follow us on java.net



- As JSR 348 mandates, all our work is carried out in public.
- Start with our public java.net project.
- There you will find links to:
 - The Observer mailing list (all Expert Group mail is copied here.)
 - The Issue Tracker.
 - The Document Archive (meeting agendas and minutes, task lists, and working drafts are published here.)

And so...



Results...



- JSR 348 introduced version 2.8 of the Process; JSR 2.9 introduced 2.9 version of the Process.
- All new JSRs operate under newest version.
- Spec-Leads of in-flight JSRs – almost all have voluntarily migrated to the new version of the Process.
 - On doing so they are required to operate transparently, and become subject to the new JSR deadlines.
- It is now easier for JCP members and the public to observe and participate in the work of Expert Groups.
- Transparency is the default mode of operation.
- Now we need more community participation!
 - Adopt-a-JSR!

Putting the *community* back into the JCP



- No more barriers to participation.
- All members of the Java community can participate:
 - In the implementation of the platform through OpenJDK and GlassFish.
 - In the evolution of the platform through the JCP.
- If you care about the future of Java participate...

Adopt a JSR!



Thank you **LJC** and **SOU Java**
sociedade de usuários java

What is it?



- A JUG-lead initiative to improve Java standards.
- Groups of JUG members work on JSRs.
- See <http://java.net/projects/adoptajsr> or <http://adoptajsr.org> for full details.



JUGS Around the World!




Adopt-a-JSR Adopters



- 20 JUGS participating: Campinas JUG (Brazil), ceJUG (Brazil), GOJava (Brazil), SouJava (Brazil), Peru JUG, SV JUG (USA), Houston JUG (USA), Toronto JUG (Canada), London Java Community (UK), BeJUG (Belgium), Madrid JUG (Spain), JUG Cologne (Germany), Indonesia JUG, Hyderabad JUG (India), JUG Chennai (India), Morocco JUG, Faso JUG (Africa), Jozi JUG (South Africa), Mbale (Uganda).
- 23 JSRs 'adopted': 107, 299, 308, 310, 321, 331, 335, 338, 339, 342, 343, 344, 345, 346, 347, 348, 349, 352, 353, 354, 355, 356, 358.
- JSR 339, Java API for RESTful Web Services 2.0 & JSR 353, Java API for JSON Processing, are the most popular JSRs, being adopted by at least 5 JUGs.

Use Cases of Adopters

- 
- Cologne JUG: JSR 344, JavaServer Faces (JSF) 2.2 - kick off event January 2013, more events planned.
 - BeJUG: JSR 356, Java API for WebSocket - Hack day in March 2013/Tic-Tac-Toe game.
 - Chennai JUG: JSR 338, Java Persistence 2.1, JSR 344, JSF 2.2, JSR 352, Batch, JSR 353, JSON, JSR 356, WebSocket - Urban Traveler application.
 - Hyderabad JUG: JSR 338, JPA, and JSR 107, JCACHE, Food Court Management system.
 - London Java Community: JSR 310, Date and Time API and JSR 335, Lambda Expressions (covered in previous talk).
 - SouJava: JSRs 310, 339, 344, and other JSRs:
<http://soujava.org.br/servicos/adopt-a-jsr/>
 - New! GitHub: <https://github.com/organizations/Adopt-a-JSR>

Want to Participate?



- Online Meeting with JUG Leaders held in January 2013.
 - 40+ participants!
- Plan to continue to host online Meetings to facilitate new JUG participation, collaboration between JUGs, and share use cases.
 - Next meeting: 27 February 09:00 PST.
- Transparency Sub-Project – Surveys for Active JSRs:
<http://java.net/projects/jsr-transparency/pages/Home>

Feedback?



Follow the JCP online:

Twitter [@jcp_org](https://twitter.com/jcp_org)

blogs.oracle.com/jcp

Facebook Java Community Process

Get involved!

