

JSR 354 – A Retrospective

The Journey of JSR 354 Money&Currency

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■ Agenda

1. The Beginning
2. The Take Over
3. The Crisis
4. The End

JSR 354 – A Retrospective

■ How it all started...

- Was initiated by Victor Grazy (Credit Suisse), AFAIK with the help of Werner Keil
- Lots of enthusiasm
- Many Discussions
- Targeting inclusion into JDK 8
- Started February 2012

■ The Situation end of 2012

When I first looked at the JSR before X-Mas 2012...

- stuck since several weeks
- 2 raw pages in the Wiki
- some code skeletons from JodaMoney
- one month until EDR should be released
- no spec draft document or similar
- spec lead (Victor) has left Credit Suisse

Challenging !

■ Getting Into... or my first actions...

- Introduced Me
- Updated the Wiki Page
- Looked at the Code
- Did a concrete Proposal – how we can achieve the EDR timeline (Feb 2013)
- Discussed Proposal online and in TelCo/Hangout
- Realized that there is some imminent dissense on how the JSR should look like
- Tried to figure out the essence of the issues and decided...
... to postpone ist resolution

■ ...approaching EDR...

- Clearly structured the JSR
 - Currencies
 - Amounts
 - Formatting
 - Conversion
 - But also a few others
- Strictly organized discussions around these „domains, discussing entities first
- Later also including singletons etc.
- Nail down things were possible (keep focus!)
- Started with Spec Draft in Parallel

■ The renewal ballot ...

- Time for the EDR. So...

- The renewal ballot came.....

... and was successful (Feb 2013)!

- But: LJC was abstaining, which I personally found frustrating.

■ So things went on...

- EC Meeting at Credit Suisse in Zurich – I asked for support from Oracle.
- Nothing happened.

- We continued with the work, scope was far too big.

- At JavaOne I had the chance to talk with Stephen Colebourne (LJC) F2F.
- I decided to adopt his opinions and we drastically reduced the scope of the JSR.
- We published a first Public Review (January 2014)...
...and LJC rejected the Public Review.



...

- I really was thinking on stopping my work at that point.
- I recognized that I have to decide certain things on my own, even if that would mean that we do not end up in the JDK (release train for Java 8 was gone anyway).
- At that point I summarized explicitly the design dissense we have and explained we need a clear decision. The expert group followed my views.
- ... and finally Oracle (Roger Riggs) participated and agreed.

- Finally we have a clear scope and design:
 - Currencies/amounts
 - Rounding, Conversion and Formatting
 - Interface based design with Singletons and a flexible SPI

■ Now finalizing the work...

- Bullet Proof the API
 - Hack Days
 - Hackergarten
 - Conference Talks
 - Internal Feedback at Credit Suisse
- Public Review 2 (May 2014, 4 months later)

■ The hardest part...

- Finalizing the Spec
 - Implement the TCK (!)
 - Fix bugs on RI
 - Bullet Proof Everything
 - Proposed Final Draft (March 2015)
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- Providing API and RI for Java 7 and Java 9 was last-minute decision.
-
- Final (13th May 2015) !

■ Current State

- Reference Implementation still running as 1.0
- Relatively stable (only a few minor bugs)
- Patch Release maybe until end of 2015

- Increasing use by financial institutes as well as online shops
- Future Integration with JDK (if any) currently unclear

- Some discussions about API license

■ Summary

- It was a hard job.

- It was challenging.

- If you would ask me, if I would do it again?

Maybe (yes, if I were younger).

- If you would ask me, it was worth the efforts?

YES!

■ So...

THANK YOU!



JSR's homepage: <http://javamoney.org>

Twitter: @jsr354

JCP Page: <https://jcp.org/en/jsr/detail?id=354>

Q&A

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