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
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
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 dissonse 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)

- 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