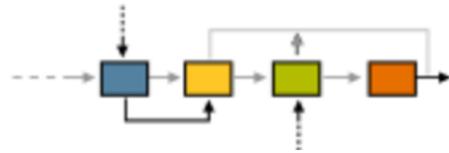




Java
Community
Process



Community Development of Java Technology Specifications

Possible JavaMoney.next

October 18, 2018

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History



- Core API: `javax.money`
- `CurrencyUnit`, `MonetaryAmount`
- Conversion API: `javax.money.convert`
- `ExchangeRate`, `ConversionContext`
- Formatting: `javax.money.format`
- `AmountFormatContext`, `MonetaryAmountFormat`

- Reference Implementation: `org.javamoney.moneta`
- TCK: `org.javamoney.tck`

Planned Features



- Embracing Java 8 features
 - Further support of JSR 310 (Date & Time) types
 - Type Annotations (if appropriate)
 - Use of Lambdas where appropriate
- Alignment with Java 9 features
 - Modular environment - While the API should be backward-compatible with at least Java SE 8, both API and RI are expected to expose Java 9 modules
 - Multi-release JAR files - This should allow a **single** API and RI to support Java 8, 9 and further versions where beneficial.
- Bean Validation Support
- Value Types if available by the underlying platform (at least in the RI)

Planned Features (2)



- Use the Config JSR (382) or equivalent spec for configuration of e.g. the exchange rate provider chain and other configuration aspects (at least in the RI)
- Polyglot language support for amount/numeric types
- Support for dynamic currency/token types (query to server or blockchain) – e.g. for Ethereum ERC-20, Omni, Colored Coins, etc.
- Hierarchical currency types. E.g. ETH.EOS or OMNI.TETHER
- Support for Open Banking and Payment standards like PSD2 or the W3C Payment Request API
- See <https://github.com/JavaMoney/jsr354-api/issues> for more especially those “deferred” or in milestone “.Next”.

Schedule



- Due to the dynamic nature of Money and Currency, countries and currencies keep changing, from North Macedonia to South Sudan, or others like Italy and Greece are sometimes rumored to leave the Euro zone and go back to their old currencies,...
- we would like to wait till JSR 387 introduces Iterative JSRs before officially proposing this new JSR.

Publicity



- JMaghreb 2012
- JavaOne India 2013
- JavaOne Russia 2013
- Social Media Week 2014
- JavaOne 2014
- DevoXX BE 2014
- JavaOne Latin America 2015
- JCON 2018
- ...

Development



- We plan to continue developing the JSR collaboratively through <https://javamoney.github.io/>
- We participate in the Adopt-a-JSR program
- Several JUGs were involved:
 - Morocco JUG
 - SouJava
 - London Java Community

Communication



- Public mailing list(s) and/or forum(s)
 - JavaMoney on Groups.io:
<https://groups.io/g/javamoney>
- Collaboration happens via Groups.io, GitHub, Twitter or Stack Overflow in some cases.
- A document archive is available on
<https://bintray.com/javamoney/downloads>

Participation



- adorsys GmbH & Co KG
- Daniel Dias dos Santos
- Sean Gilligan
- Manuela Grindei
- Magesh Kasthuri
- Werner Keil
- Otavio Santana
- Trivadis AG

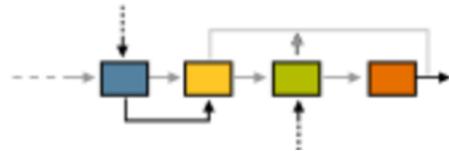
Support



- Marcus Biel
- Credit Suisse
- London Java Community
- SouJava
- Sean Gilligan
- Goldman Sachs
- JP Morgan/Chase
- Wipro
- Zalando



Questions, discussion, next steps



Community Development of Java Technology Specifications

Thank you!

<http://jcp.org/en/jsr/detail?id=354>