SAP Source WEBINAR

June 22nd, 2021

Clean ABAP

Klaus Häuptle, SAP Software Engineer & Co-Founder ABAP Code Florian Hoffmann, SAP Team Architect & Co-Founder ABAP Code



AGENDA

- 01 Why Clean ABAP?
- 02 GitHub demo
- 03 Clean ABAP Ecosystem

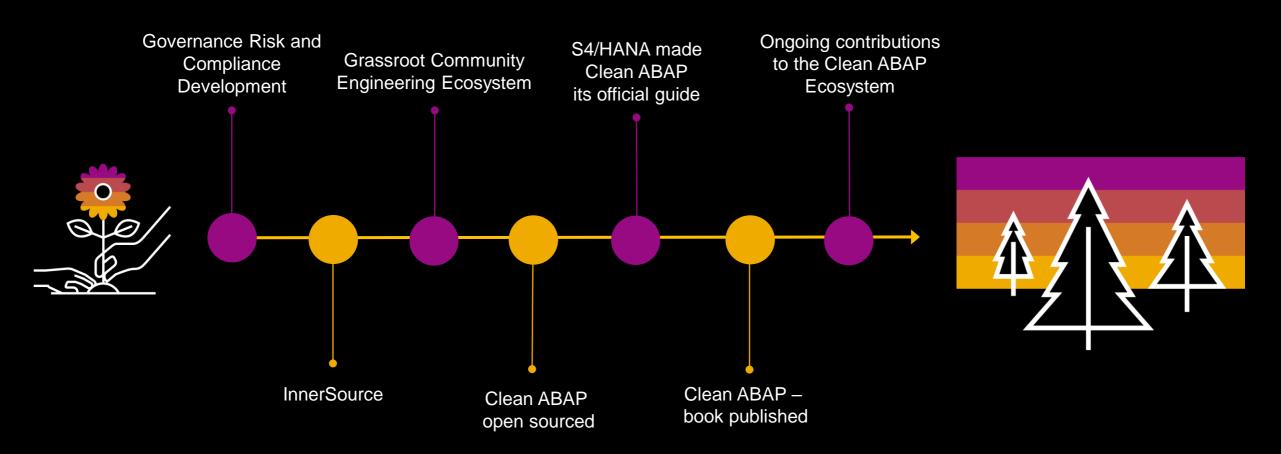
01 Why?

Why Clean ABAP?

- More readable, testable and maintainable code
- Optimized for the reader:We spend more time reading than writing code
- ABAP has evolved over a long time with backwardcompatibility in mind

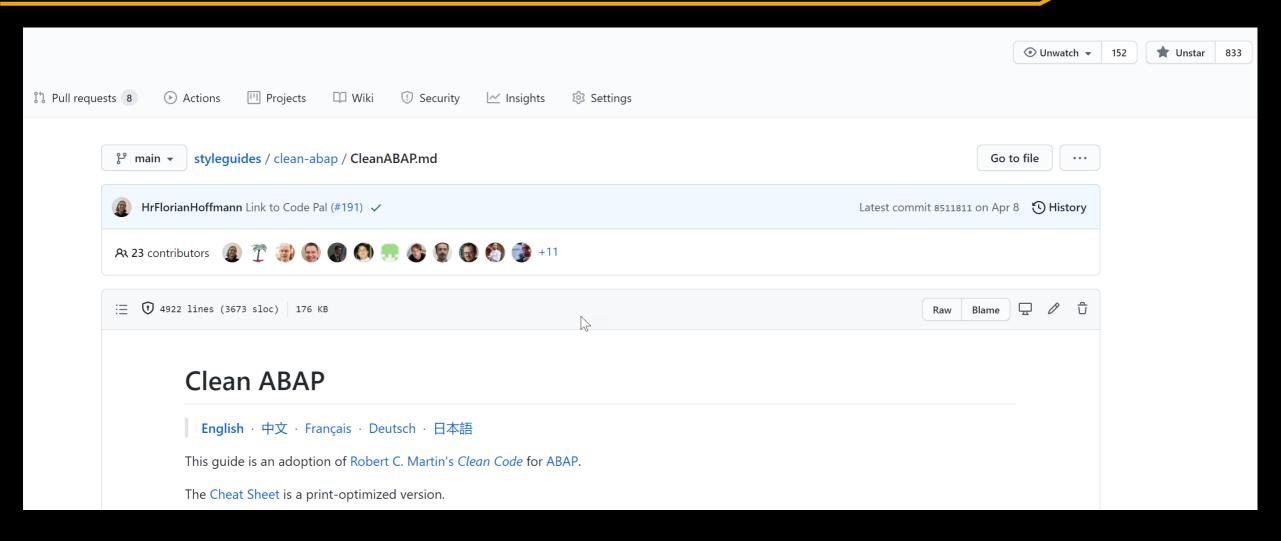


Clean ABAP Evolution



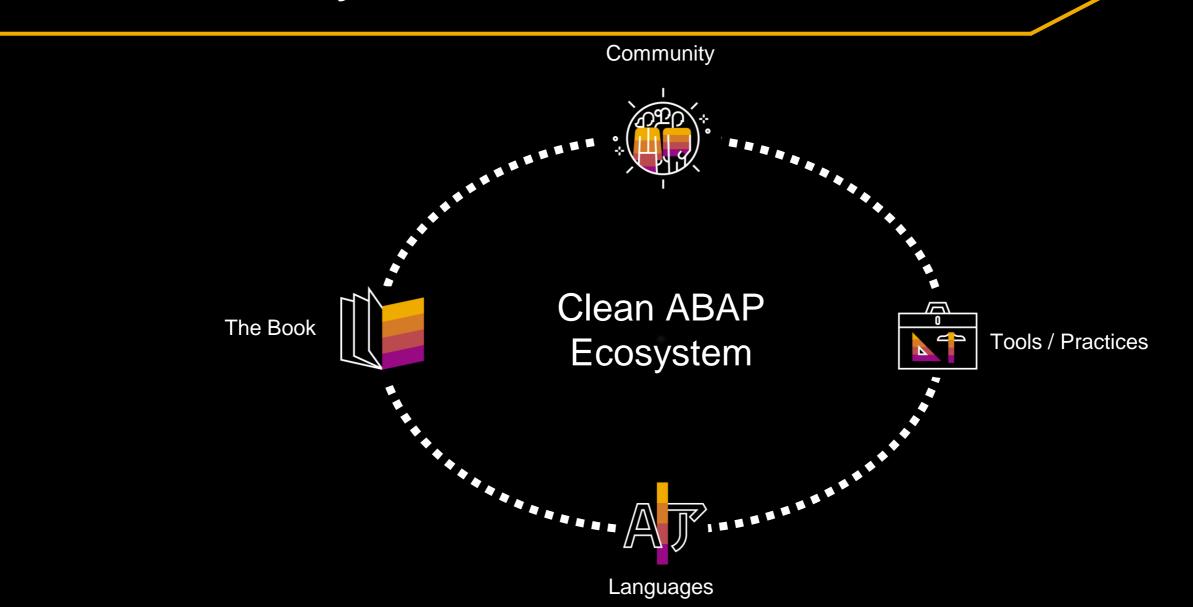
02 GitHub

GitHub demo – Clean ABAP



03 Ecosystem

Clean ABAP Ecosystem



Clean ABAP Translations













Gabriel Baca: "I really want a future where we no longer have 10,000 lines of code in a single report with no modularization. Unfortunately, most ABAP developers in Mexico and Latin America do not speak English. Most of the codebase you'll find for Mexican companies is written in Spanish. So, translating this guide into Spanish opens up the possibility of reaching a lot more people." (translated from Spanish)

Thanks to Borja Clemente Castanera for reviewing the Pull Request!

Manabu Inoue: "As a beginner in SAP, I was looking for a good way to write ABAP code, and I found this guide based on Uncle Bob's Clean Code which I am familiar with. After reading the guide, I decided to translate it not only to write my own code, but also to spread this modern code style to my company and Japanese ABAPers." (translated from Japanese)

Static Code Checks with Code Pal

Available in ADT

ABAP Development Tools/Eclipse

Execution based

On SCI-Variant(s) or profile(s)

Static Code Checks

Highly configurable

Additional static code checks for Clean ABAP

Thresholds, filter by object creation date

Code Pal for ABAP: Which Checks are available?



Single-Responsibility



Best Practices



Error Prevention



Readability



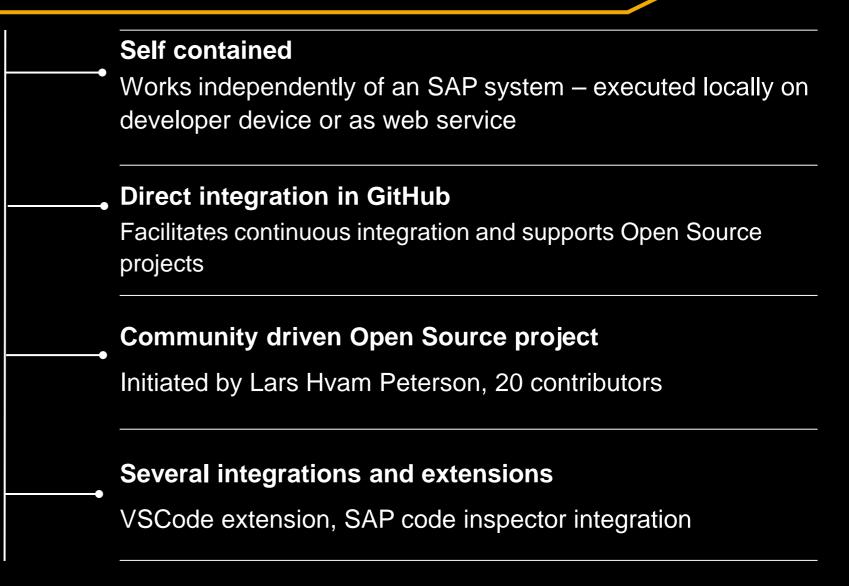
Deprecated Keywords

Static Code Checks with abaplint



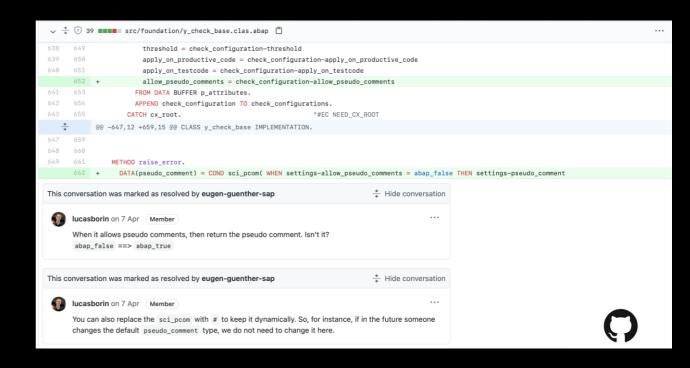
FEATURES

129 rules!



Code Review

- For learning, ensuring quality and fostering a common understanding
- Pull request as foundation for
 - review of change in isolation
 - continuous integration
- Options
 - GIT as secondary persistence for review
 - GIT as primary persistence
- Code review setup and practices in clean ABAP



Code Review Practices

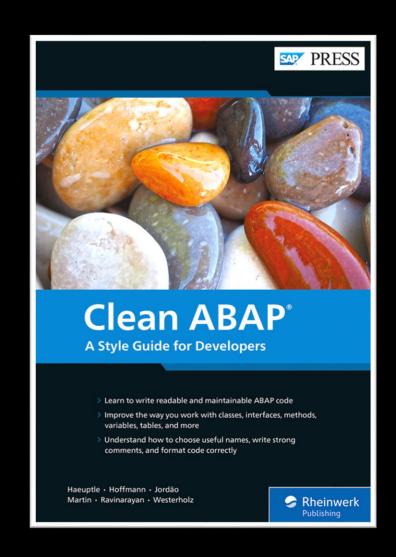
- Value the time of your reviewers, so before the review:
 - Fix static code checks
 - Fix unit test issues
 - Write readable unit tests
 - Apply the Clean ABAP guide and care about readable code
 - Pull request should contain small single purpose changes

More about Code Review practices: <u>Clean ABAP</u> and <u>https://google.github.io/eng-practices/</u>.

Clean ABAP: The Book

Added value:

- More comfortable read
- More context explained
- Additional content on How to implement Clean ABAP as an individual, a team and an organization
- https://www.sap-press.com/clean-abap_5190/



Clean ABAP is from coders for coders!



Clean ABAP is a great fit for every project, team, and code.



There are a lot of tools in the ecosystem that can help you with the adoption.



It's Open Source: You can contribute as well!



More on Clean ABAP

Blog posts: community.sap.com/search/?ct=blog&q=clean+abap

GitHub Repository: github.com/SAP/styleguides/

Public Slack Workspace: sapcodestyleguides.slack.com



THANK YOU!

SAP Github

Podcast series <u>"The Open Source Way"</u>

Webinars featuring Open Source topics

Public landing page



What do you associate with Clean Code?

