

Technical debt management with SonarQube

GILLES QUERRET • RIVERSIDE SOFTWARE

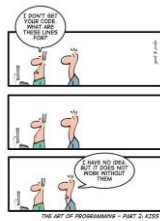
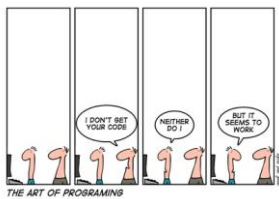


Agenda

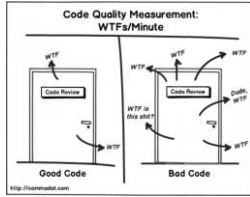
- Concepts
- SonarQube
- Java / Javascript
- OpenEdge
- Questions



Code quality



Code quality



Technical debt

Term coined by Ward Cunningham in 1992

Metaphor around the time it takes to work with low quality code :

- If technical debt is high, you'll pay high interest (in terms of time spent) each time you work on the project
- Pay down the principal by refactoring code
- Increase the debt if you add quick and dirty code

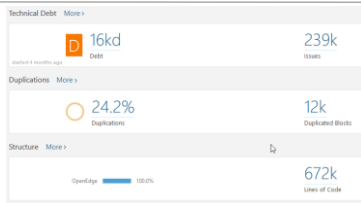




- Code quality management platform
- Open source
- Extensible
- Over 20 languages (from COBOL to Javascript through C++)



First analysis



So what can I do ?



So what can I do ?



So what can I do ?



Fix the leak



Demo



Questions ?



Reference ?

- Sonar Source : <http://www.sonarsource.com>
- Sonar OE plugin demo site : <http://sonar.riverside-software.fr>
- Riverside Software : <http://riverside-software.fr>
- Contact : contact@riverside-software.fr