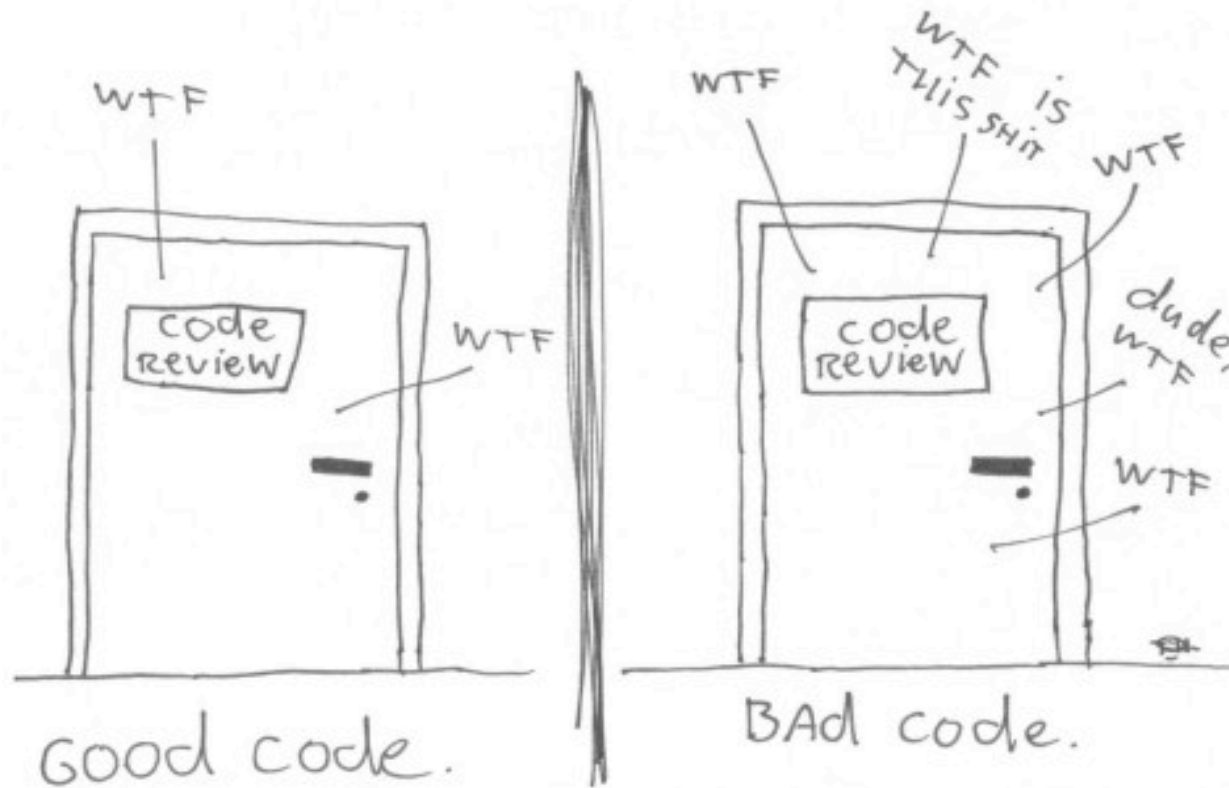




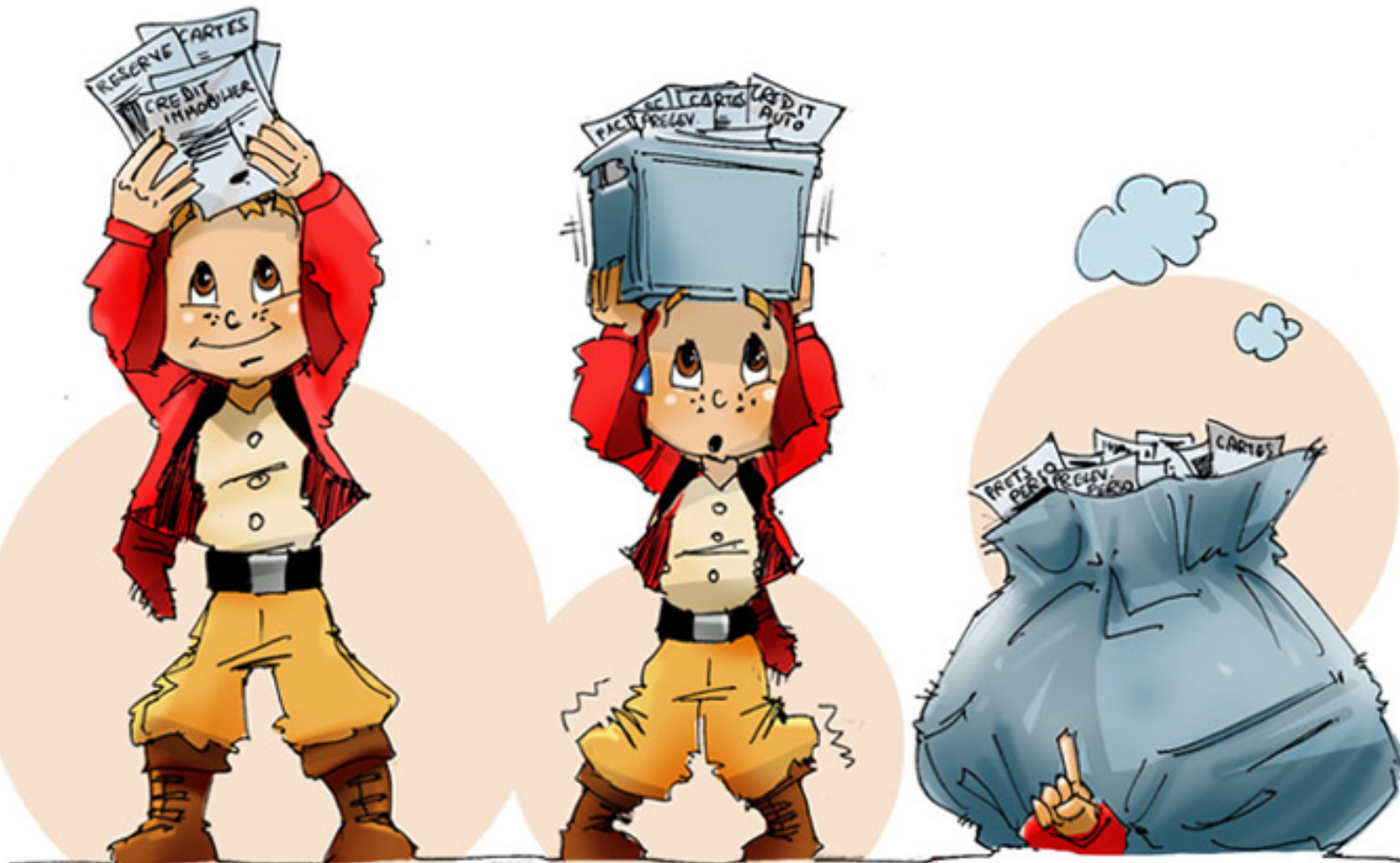
# **Continuous Inspection with SonarQube**

Olivier Gaudin - @gaudol

The ONLY valid measurement  
of code quality: WTFs/minute



(c) 2008 Focus Shift



**30%**

**40%**

**50%**

# The 7 Deadly Sins...

■ ?

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■ ?

■ ?

■ ?

■ ?



# ... of the developer

- Duplications
- Bad distribution of complexity
- Spaghetti Design
- Lack of unit tests
- No coding standards
- Potential bugs
- Not enough or too many comments



# The Quality Gate





# Challenges

- Too late
- Pushback from teams
- Lack of ownership
- Heterogeneous requirements
- Quality gate enforcement



# This is Hard

- Total amount of TD can be depressing
- How to get a budget to fix old TD?
- Risk of injecting functional regression
- This is not fun!





# Changing the Game

- Development team owns quality
- Shorter feedback loop
- Unified quality gate
- Cost is insignificant
- This is (more) fun!



# Fix the Leak!



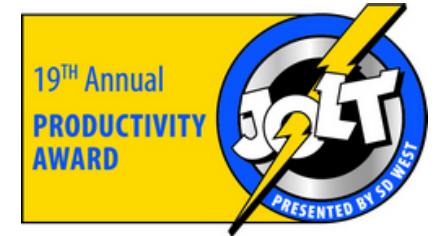


# Reimbursing the Debt



# SonarQube in Numbers

- 40K+ live instances
- 100K+ downloads per year
- 1500+ active contributors
- 23% of Java dev use it daily
- 60+ plugins in the forge
- 41 customers in Fortune 100





**sonarqube** 

# Programming Languages

Groovy ABAP Erlang  
C# COBOL Flex RPG  
JavaScript PL/I Java Web  
PHP HTML CSS C++  
Android VB6 XML  
VB.NET Objective-C C  
Python PL/SQL



@SonarSource  
@gaudol

<http://sonarqube.org/1rule1tshirt>