



zenika  
<animés par la passion>

# SonarQube Configuration Details

Version 1.18-SNAPSHOT

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*Table 1. History*

Date	Author	Detail
2018-09-15	bcouetil	- Sample asciidoctor maven project — published on Github - Github & LinkedIn links - Sample project tree - images resizing positioning - new images
2018-08-23	bcouetil	Initial commit

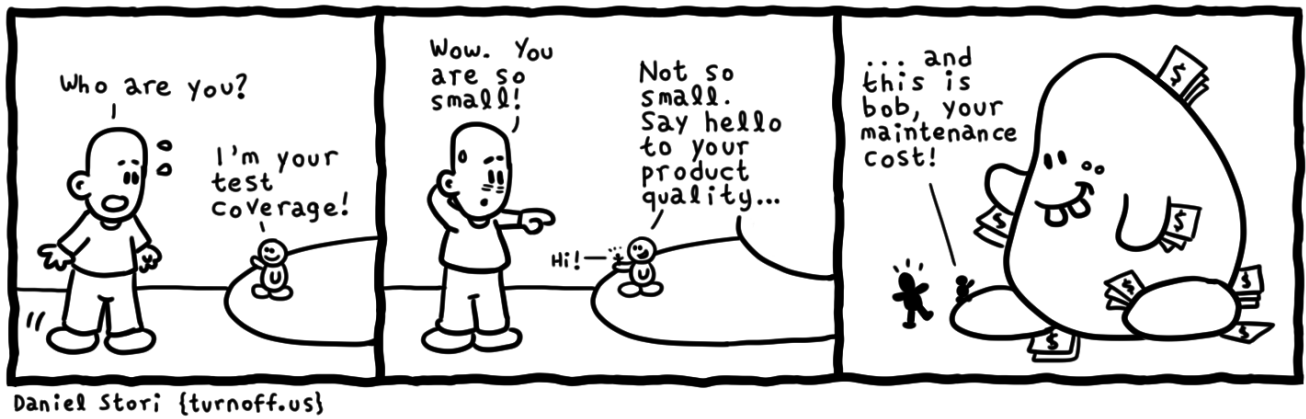


Figure 1. Test coverage versus...

# 1. Server configuration

## 1.1. Quality Gates

Click on **Quality Gate**

Create a new one for your project and select your quality gate rules :

- Comments is less than 30 then 25
- Coverage is less than 86 then 80
- Maintainability Rating is worse than A then C
- Reliability Rating is worse than A then C
- Security Rating is worse than A then C
- Unit Test Success (%) is worse than A then C

## 1.2. Update



This has to be done only for a new Production Line

**Administration** → **System** → **Update Center**

- SonarJava : install or update to latest
- Findbugs : install
- SoftVis3D : install

## 1.3. Rules / quality profile

### 1.3.1. Export

- Navigate to **Quality Profiles** → **BCT** (or your profile) → **Actions** → **Back Up**
- This will download a XML

- On CG-WM, the common java XML quality profile is saved here :

```
src\docs\SonarQube.qualityProfile.BCT.xml
```

### 1.3.2. Import



for an import to be successful, SonarQube must know the rules, so SonarJava and Findbugs must be up to date

- Navigate to **Quality Profiles** → dropdown menu next to **Create** → **Restore Profile**
- Provide the saved XML

### 1.3.3. Create



This has to be done only if you want to define a custom set of rules

- Choose **Quality Profiles** → **Java** → **Sonar way** → **Copy**
- Select the newly created profile
- Now you can :
  - Click on the number of active rules to deactivate some
  - Click on **Activate More**
  - Go to **Rules**, search one and change its value

## 1.4. Technical Debt



This has to be done only for a new Production Line

- Select **Administration** → **Configuration** → **General Settings** → **Technical Debt**
- Set Maintainability rating grid = 0.01,0.02,0.03,0.05
  - *This means that a tech debt < 1% is rated A, a tech debt > 5% is rated E.*
- Hit **save technical debt**

## 2. Troubleshooting

### 2.1. See SonarQube for an older build

SonarQube does not have history available for browsing, you can only see the last build. So you have to retrigger the gerrit patch to see specific data associated to your change.

You can do an empty **commit amend** from Eclipse. But you can also retrigger from Jenkins.

- Go to Jenkins homepage

- Navigate to the pipeline/job
- If your build is still in the history
  - Open it
  - Select **Retrigger**
- Else if your build has been deleted
  - Go to Jenkins homepage
  - Click on **Query and Trigger Gerrit Patches**
  - In **Query String**, put your change-id
  - Click **SEARCH**
  - Select the change
  - Click **TRIGGER SELECTED**

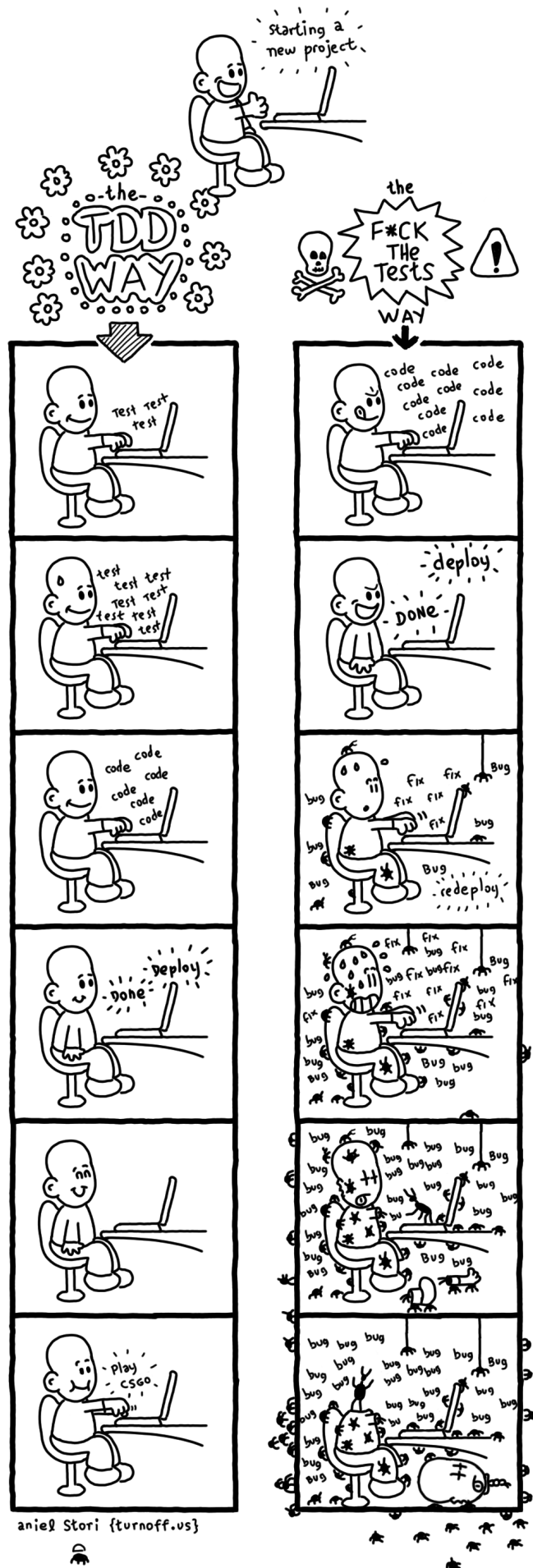


Figure 2. Test Driven Development

## 3. Appendix

### 3.1. Revision marks

*Differences since last tag*

