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<animés par la passion>

# SonarQube Configuration Details

Version 1.18-SNAPSHOT

2018-08-31

# Table of Contents

1. Server configuration .....	2
1.1. Quality Gates .....	2
1.2. Update .....	2
1.3. Rules / quality profile .....	2
1.3.1. Export .....	2
1.3.2. Import .....	2
1.3.3. Create .....	3
1.4. Technical Debt .....	3
2. Appendix .....	4
2.1. Revision marks .....	4

*Table 1. History*

Date	Author	Detail
2018-08-23	bcouetil	Initial commit

# 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 Raiting is worse than A then C
- Reliability Raiting is worse than A then C
- Security Raiting 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. Appendix

### 2.1. Revision marks

*Differences since last tag*

