SonarQube Configuration Details

Version 1.18-SNAPSHOT

2018-08-21

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Table 1. History

Date	Author	Detail
2018-08-21	NeVraX	HTML Asciidoc to Github

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

ℹ 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

ℹ 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