# sonarqube

Mikka Jenne, Simon Leitl

# STRUCTURE

- What is SonarQube

- Features

- Example

# ABOUT

- Platform for static analysis and technical quality of source code

- It analyzes the source code for various quality areas and presents the results via a website

- SonarQube is programmed in Java

# ABOUT

- **SonarQube consists of three components:**

  - A module for build management tools like Apache Maven or Apache Ant

  - A database that stores the results of the quality analysis

  - A website for management and evaluation of the results

# FEATURES

- **Multi - Language**

  - 25+ Programming Languages

  - Multi - Language - Projects

# FEATURES

sonarqube

- **Detect Tricky Issues**

  - Detect Bugs

  - Code Smells

  - Security Vulnerability

  - Activate The Rules You Need

# FEATURES

- **Enhance Your Workflow Detect Bugs**

  - Just checkout your repo and let SonarQube track new code

  - Native integrations let you easily schedule the execution of an analysis from all CI engines

  - Analyze Branches and decorate Pull Requests

# SONAR LINT

- **Open Source**

- **Fix issues before they exist**

- **SonarLint is an IDE extension**

- **Helps you detect and fix quality issues as you write code**

# SONAR LINT

- **Bug detection**

- **Instant feedback**

- **Know what to do**

- **Uncover old issues**

# SONAR LINT

- **Eclipse**

- **IntelliJ**

- **Visual Studio**

- **VS Code**

# SONAR CLOUD

- **For Open Source Projects free**

- **As a Service**

- **Run analysis over the builder**

# SONAR CLOUD

- SETUP