Sonar Qube

Code quality checking tool

SonarQube is an open-source tool/platform for inspection of code quality and security

Basically using this tool, we can identify the mistakes or issues in the code. As a DevOps engineer, we identify the bugs and we give them to Developer and they will fix them

--> It is developed by using Java language

--> SonarQube supports most of the programming languages to perform Code review (30+ programming languages definitely will support).

--> With the help of this platform, we can generate Code review report. That report can be given to Developers to fix the code.

Note: Code review is a part of Project Build Process

Sonar issues

--> SonarQube server will identify the following issues in the report

--> Bugs

--> Vulnerabilities (Security hotspots)

--> Duplicate code blocks (repeated code)

--> Code smells (Weak design in application)

--> Code coverage (How many lines of code is tested in Unit testing)

We can add these things in Sonar Quality Profiles

-> Set of rules to be considered during code review

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