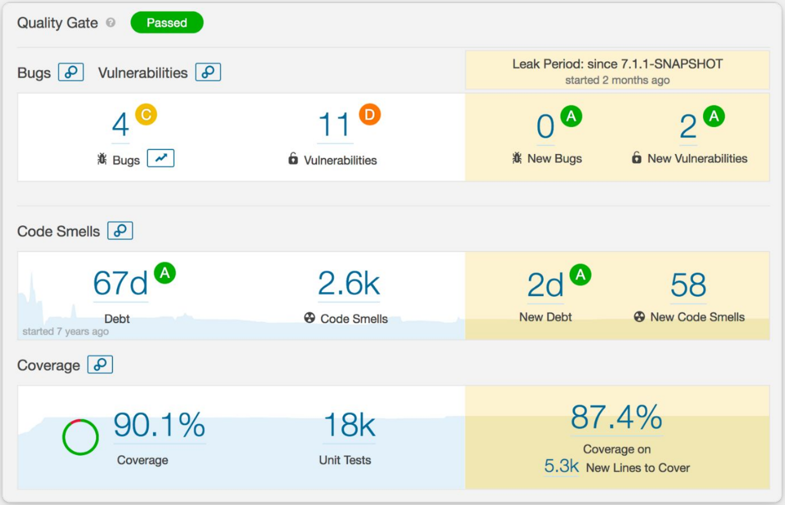

Quality Gate Passed

Bugs Vulnerabilities

Leak Period: since 7.1.1-SNAPSHOT
started 2 months ago

4 C Bugs

11 D Vulnerabilities

0 A New Bugs

2 A New Vulnerabilities

Code Smells

67d A Debt
started 7 years ago

2.6k Code Smells

2d A New Debt

58 New Code Smells

Coverage

90.1% Coverage

18k Unit Tests

87.4%
Coverage on
5.3k New Lines to Cover

SonarQube

Static Code Analysis

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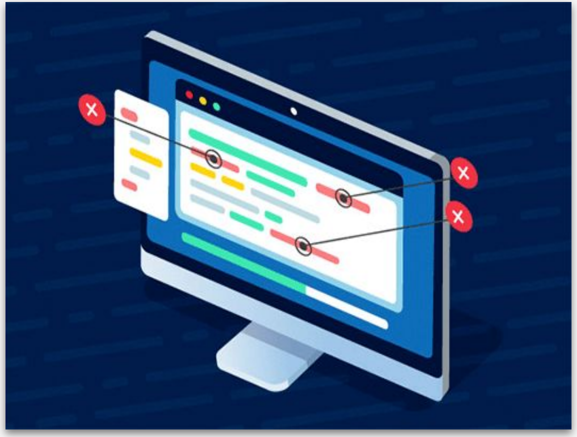
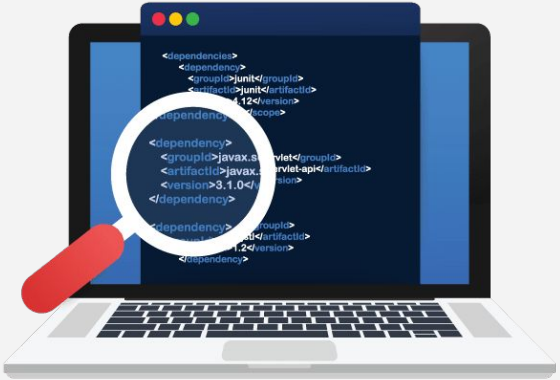


01

What is SonarQube?

What is SonarQube?

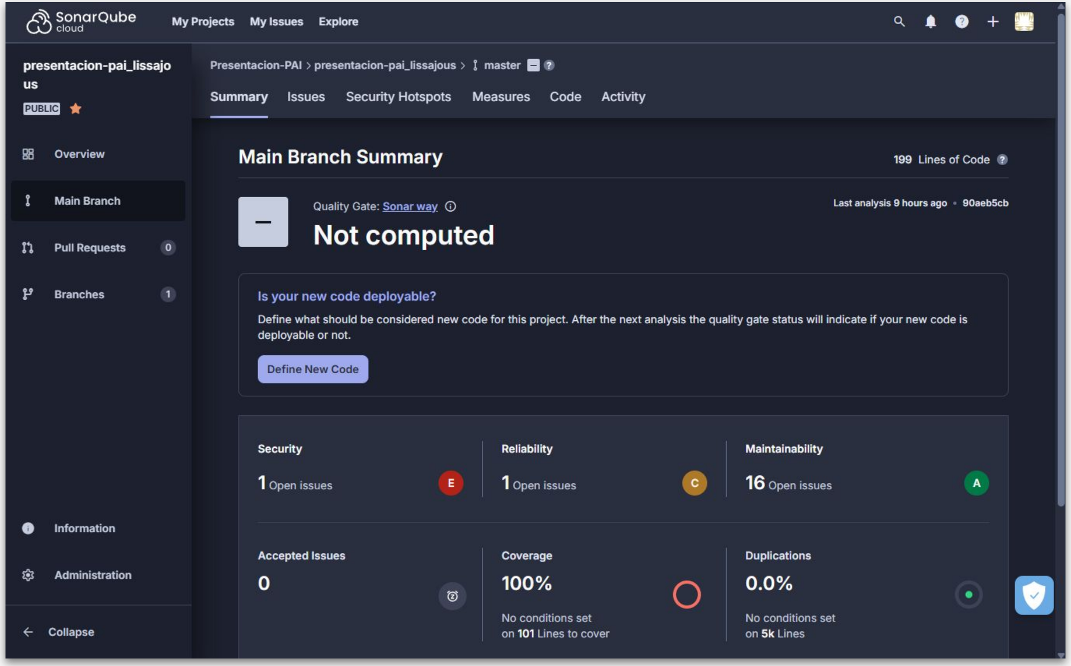


```
<dependencies>
    <dependency>
        <groupId>junit</groupId>
        <artifactId>junit</artifactId>
             4.12</version>
 dependency      </scope>

<dependency>
  <groupId>javax.s   rvlet</groupId>
  <artifactId>javax.s  ervlet-api</artifactId>
  <version>3.1.0</v    rsion>
</dependency>

<dependency>      groupId>
                stl</artifactId>
               1.2</version>
    </dependency>
```

- → **SonarQube is a static code analysis tool.**
- → It inspects source code without running it, helping you write cleaner, clearer, and more maintainable software.

What is SonarQube?

→ **Interactive web interface.**



presentacion-pai_lissajous

PUBLIC

Presentacion-PAI › presentacion-pai_lissajous › master

Main Branch Summary

199 Lines of Code

Quality Gate: Sonar way

Not computed

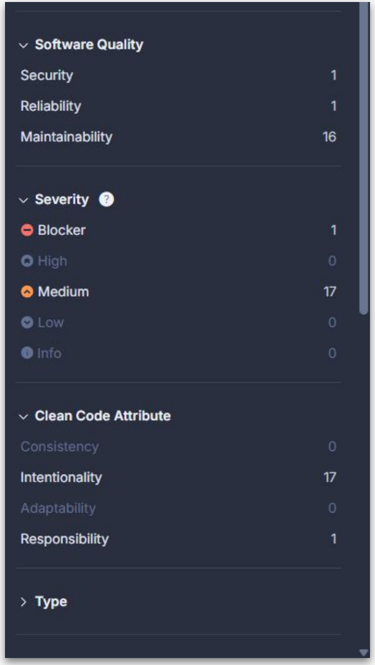
Last analysis 9 hours ago • 90aeb5cb

Is your new code deployable?

Define what should be considered new code for this project. After the next analysis the quality gate status will indicate if your new code is deployable or not.

Security	Reliability	Maintainability
1 Open issues E	1 Open issues C	16 Open issues A

Accepted Issues	Coverage	Duplications
0	100% No conditions set on 101 Lines to cover	0.0% No conditions set on 5k Lines



Software Quality	
Security	1
Reliability	1
Maintainability	16

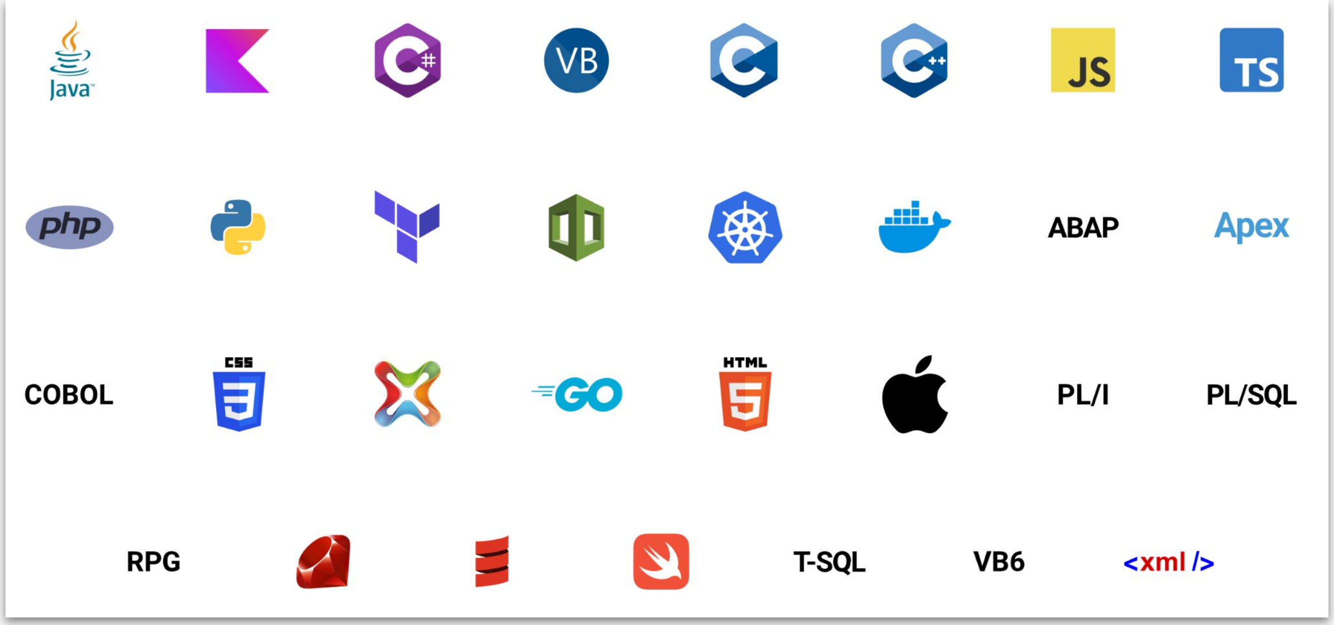
Severity	
Blocker	1
High	0
Medium	17
Low	0
Info	0

Clean Code Attribute	
Consistency	0
Intentionality	17
Adaptability	0
Responsibility	1

Type

What is SonarQube?

→ **Supports Multiple Languages.**



What is SonarQube?

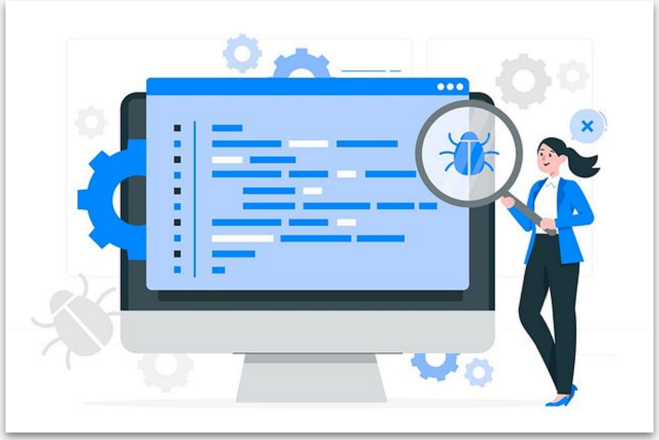
- → **More than a linter.**
- → SonarQube goes beyond syntax, it understands how your code behaves and evolves.

Basic Linters	SonarQube
Catch obvious syntax issues	Detects **deep code quality issues**
Simple rule checks	Uses **hundreds of advanced rules**
Focused on formatting/style	Focused on **maintainability & risk**
File-by-file	Analyzes the **whole project**

What is SonarQube?

- **Same as Plato?**
- Plato is useful if you want a quick and visually appealing analysis.
- SonarQube is much more complete

Plato	SonarQube
JS or TS	**Multiple** Languages
Static code analysis	**Static** code analysis
Local HTML report	Web dashboard (**server**)
Basic metrics + complexity	**Metrics, bugs, vulnerabilities, duplications…**

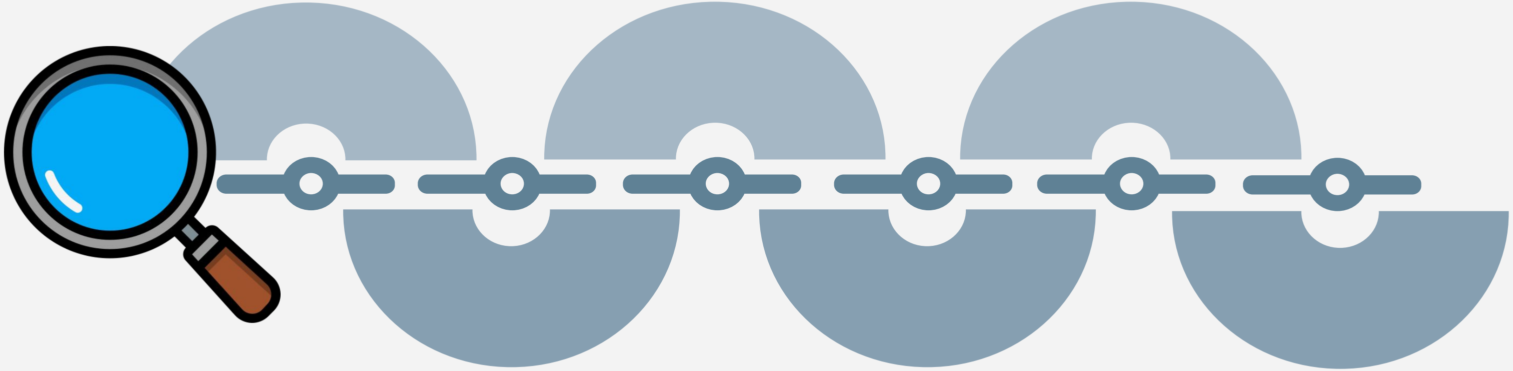


02

What does SonarQube analyze?

What does it analyze?

- → Grouped by severity (e.g., blocker, critical, minor)
- → Organized file by file.



🐞Bugs

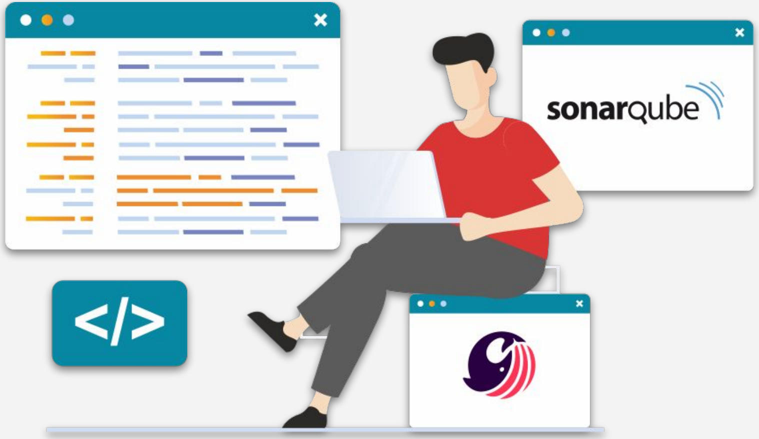
🔐Vulnerabilities

🧪Test Coverage

🧹Code Smells

📦Duplicated Code

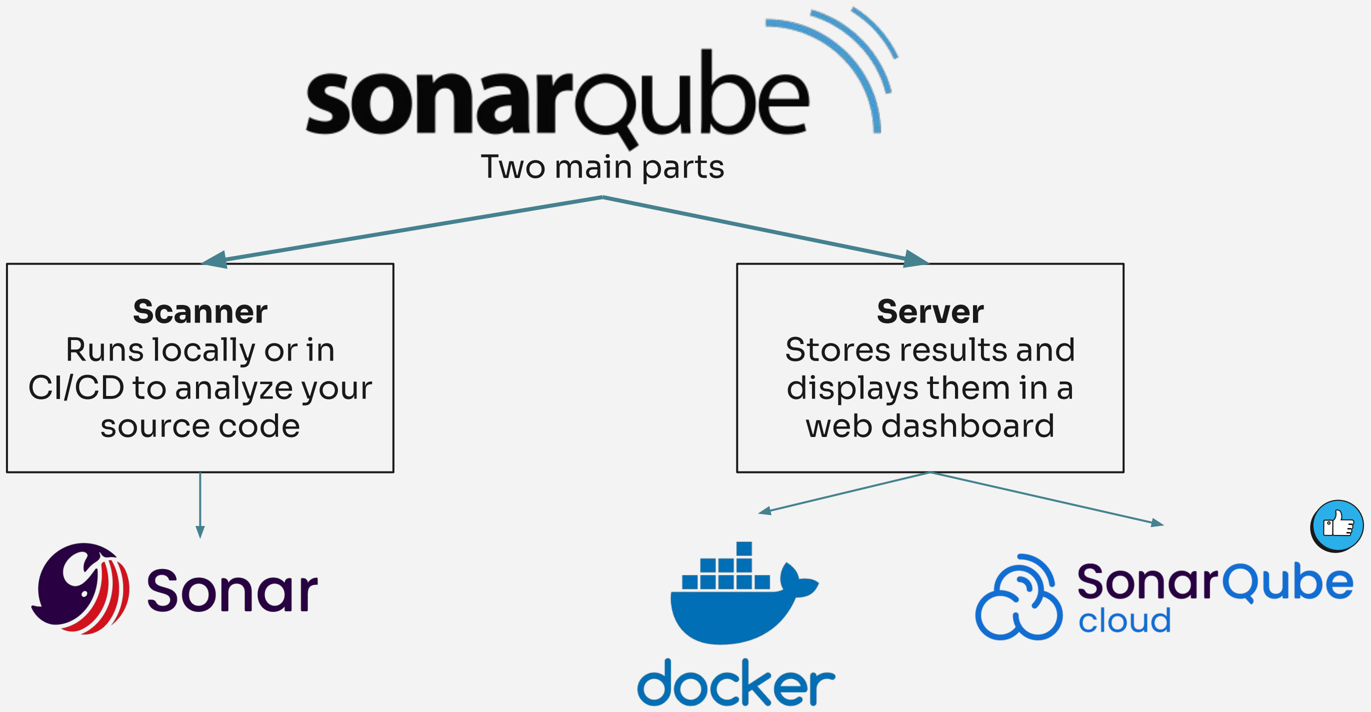
🔥 Hotspots



03

How does SonarQube work?

How does it work?



Two main parts

Scanner
Runs locally or in CI/CD to analyze your source code

Server
Stores results and displays them in a web dashboard

How does it work?

Sonar | rules → Rules applied depending on the programming language.

TS 426 rules for Typescript
(see: https://rules.sonarsource.com/typescript/)

🛠️ **Quality Profiles** → A set of rules customizable by team or project.

🚦 **Quality Gates** → Defines minimum conditions for code to pass validation.

04

Install SonarQube

Import Organization and his Repositories to SonarQube Cloud

↓

Link

Installation and Code Analysis with SonarQube Cloud from the ubuntu terminal

↓

Link

Install SonarQube Extension in Visual Studio Code

↓

Link

References

SonarQube Documentation: Link

Analysis Parameters: Link

Github Integration: Link

Install SonarQube in Ubuntu: Link

SonarQube Extension in VSCode: Link

Sonar Rules: Link

Supported languages: Link

Generating and using tokens: Link

Plans and Pricing: Link

Sonar Scanner: Link

Issues: Link

ESLint vs SonarQube: Link

Thanks!

Do you have any questions?

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