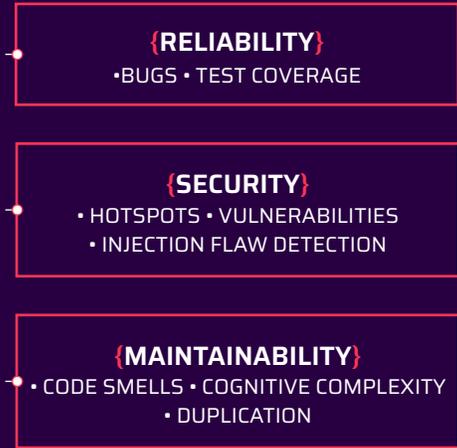# Clean Code in your workflow with {SonarQube}

SonarQube is a self-managed, comprehensive, automatic code analysis solution that systematically helps developers and organizations deliver Clean Code. As a core component of the Sonar solution, SonarQube integrates into the existing development workflow and detects bugs and security issues in the codebase as it performs continuous code inspections of projects.

{RELIABILITY}
•BUGS • TEST COVERAGE

{SECURITY}
• HOTSPOTS • VULNERABILITIES
• INJECTION FLAW DETECTION

{MAINTAINABILITY}
• CODE SMELLS • COGNITIVE COMPLEXITY
• DUPLICATION

Java | TS | JS | ... | VB | php | ... | C# | C++ | K | ... | ...
CSS | GO | ... | T-SQL | <XML/> | PL/SQL | ABAP | Apex | COBOL | ... | HTML5 | PL/I | VB6 | RPG

Broad language and rules coverage
Supports 31 languages, frameworks, and infrastructure technologies including IaC, and offers over 5,000 coding rules covering all aspects of clean code.

DevOps platform integration
Integrates with the preferred DevOps platforms – GitHub, GitLab, Bitbucket, or Azure DevOps.

PR and branch analysis
Pull Request and branch analysis, along with Quality Gate status in dev pipelines, provides early feedback to deliver clean code consistently. With SonarQube, every new production delivery is better than the last one.

Shared, unified code quality definition
Align teams on a unified definition of code health. Collaborate efficiently across projects by utilizing and customizing rules to meet the expectations set in the Quality Profile.

Portfolio management
Map projects and applications to the enterprise hierarchy. Portfolios provide leadership teams immediate insight and trackability into the health of all the projects across an entire department, including projects' releasability.

Enterprise reporting
Export and schedule reports in PDF format to ensure visibility of key metrics to all stakeholders. Project reports provide current Quality Gate status and any failing conditions, plus the major metric values on new code (code that's new or changed)

Security compliance
Detects security vulnerabilities and hotspots during analysis that map to reports such as PCI DSS, OWASP ASVS, OWASP Top 10, and CWE Top 25.

Support and Community
Sonar support offers a private communication channel between you and our services team. Our Community is a free, active forum where we and community members post every day to solve problems and share knowledge.

"There's no other tool in the market that is as reliable and trustworthy as SonarQube for static analysis. They are the industry standard for software quality analysis and should be part of any company that requires audits on software quality and vulnerability."

Daniel Anjos, TrustRadius Review

Clean as You Code™
Clean as You Code from Sonar is vital for achieving a Clean Code state – when your codebase has reached a problem-free state and is fit for development and fit for production. This approach enables developers and organizations to optimize the quality of their codebase by solely focusing on code that's added or changed. This simple yet powerful methodology progressively improves the overall quality of the entire codebase with minimal cost and effort.

TRUSTED BY 7 MILLION DEVELOPERS AND 400,000 ORGANIZATIONS.

IBM   Microsoft   BARCLAYS   Alphabet   FBI   NASA

©2023, SonarSource S.A, Switzerland.