**Configure a static code analyzer** which will perform static analysis of the web application code and identify the coding practices that are not appropriate. Configure the profiles and dashboard of the static code analysis tool

**SonarQube** is one of the more popular static code analysis tools out there. It is an open-source platform for continuous inspection of code quality and performs automatic reviews via static code analysis. In addition, it can detect and report bugs, [code smells](https://martinfowler.com/bliki/CodeSmell.html), and numerous other security vulnerabilities.

* It also supports an impressive 25+ programming languages, including C#, Python, Cobol, PHP, and Java – to name a few.
* This tool helps developers observe a three-pronged attack on their code by avoiding bugs or undefined behavior, breaches or attacks, and easing code updates, increasing development speed.
* Developers can easily tackle their errors and oversights because the mistakes are classified by severity, mapped to [secure coding standard](https://www.cppdepend.com/coding-standards)
* It also reports duplicate code, lax coding standards, unit tests, code coverage, code complexity, and comments.



