

CONFIGCAT

Mastering code excellence with SonarQube Cloud

ConfigCat is a developer-centric feature flag service in the software development industry. The company offers a platform for managing feature toggles and configurations, enabling real-time feature rollouts and updates across various platforms without redeploying code. ConfigCat supports a range of integrations and programming languages, providing tools for A/B testing, user segmentation, and compliance with GDPR and ISO 27001 standards. It was founded in 2018 and is based in Budapest, Hungary.

Company profile

Company
ConfigCat

Company size
Small B2B

Industry
Software

The challenge

ConfigCat is a cloud-based solution for feature flagging - a service that enables software companies to release features without code deployments. The small, high-performance, and efficient engineering team was faced with the challenge of maintaining high code quality and security across a multitude of programming languages. The need for a robust, maintenance-free tool to manage and analyze their codebase was non-negotiable. As their suite of SDKs expanded and their B2B customer base diversified, ensuring a high-performing, error-free, and secure product was not just an aspiration but a strict, organization-wide requirement, especially considering their ISO 27001 certification.

"SonarQube Cloud was a game-changer for me. It's like having a safety net that catches coding mistakes and helps me write better code. I absolutely love it and think you will too!"

Gergely Sinka, Founder & Chief Product Officer, ConfigCat

The solution

After vetting various competitors and based on positive peer recommendations, ConfigCat chose Sonar's SaaS solution, as the need to minimize the time spent on maintaining an on-premise solution was paramount for the small, agile engineering team at ConfigCat. SonarQube Cloud's seamless integration with the company's development environment and its compatibility with numerous IDEs meant that the tool could fit into the engineers' workflow with minimal disruption, offering early and proactive issue detection.

Key results

Over 15 hours/week in time saved per developer

100% code compliance

New code focus vs. technical debt

Organization-wide code quality standardization

Enforceable best practices

Software drives our weapon systems; command, control, and communications systems; intelligence systems; logistics; and infrastructure. Our ability to maintain situational awareness and our ability to fight, defend, and counter threats will be based on the capabilities of our software. In this new domain, software is both an enabler as well as a target of the fight.

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For the ConfigCat engineering team, the SonarQube Cloud solution stood out due to the following factors:

- **Maintenance-Free Operation:** Allowing the team to concentrate on development rather than tool upkeep.
- **IDE Integration:** Offering real-time code quality feedback within the development process.
- **Comprehensive Support for Programming Languages:** Covering all programming languages used by ConfigCat, ensuring a universal standard of code quality.
- **Continuous Updates and Innovative Features:** Keeping the tool aligned with the latest developments in programming languages and industry standards. Not only does this improve the static code analysis, but also enables engineers to continuously learn. The pricing model of SonarQube Cloud, which did not limit usage based on the number of team members, mirrored ConfigCat's own customer-friendly pricing strategy, making it an aligned business choice.

The results

ConfigCat's investment in SonarQube Cloud yielded immediate returns. The tool's impact was starkly visible when the team saw the comprehensive code quality reports - a sea of red in the initial stages, signifying the potential risks and errors present in the codebase. By fine-tuning the SonarQube Cloud Quality Gates and making a commitment to code health metrics, ConfigCat has since ensured that all new code is compliant with no new bugs entering the production environment, as well as all existing technical debt is proactively and strategically managed.

The time savings have been substantial. ConfigCat has effectively bypassed the traditional, labor-intensive code review process, leaning on SonarQube Cloud to automatically analyze and vet new code. This automation has been crucial for a small team managing an extensive codebase across multiple languages.

In conclusion, SonarQube Cloud has not only enhanced ConfigCat's development workflow but has also fortified its product's trustworthiness with its clients. It stands as an essential tool, integral to their promise of delivering high-quality, reliable, and secure software solutions.