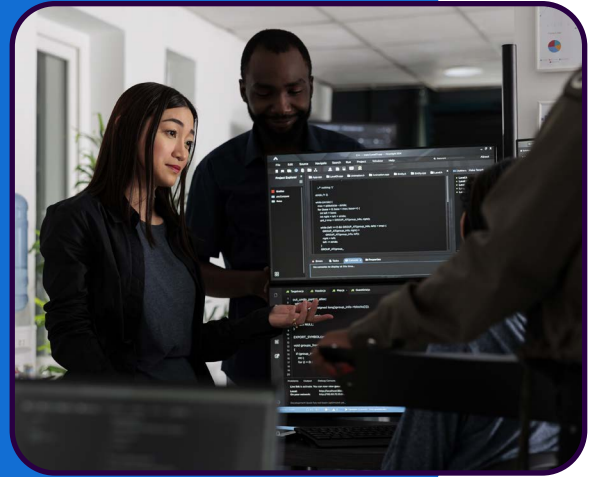


How Axoft accelerates code quality and coverage goals with trusted verification



Axoft is a leading Enterprise Resource Planning (ERP) company that provides administrative and accounting management software. Since 1988, Axoft has grown by constantly incorporating new technologies and products, becoming Argentina's most prominent service management software provider. Today, Axoft provides a powerful solution to thousands of clients, growing alongside a network of service centers across the region.

The challenge: Integrating growth with quality

This history of continuous growth and acquisition creates a critical challenge: integrating new technologies into their existing ecosystem without compromising the code quality and performance of their core software. With rapid scale and the introduction of AI-assisted coding tools, the development team knew that manually reviewing and vetting all contributions would quickly become a verification bottleneck. To maintain their competitive edge, Axoft's development team realized that prioritizing a consistently high code quality codebase and aggressively avoiding the accumulation of technical debt was essential for their continued success and growth. They needed an automated, consistent solution to ensure every line of code—whether developer-written and AI-generated code—met their high standards for security and reliability.

The solution

Axoft selected **SonarQube Server** and **SonarQube for IDE** to provide a single, trustworthy source of truth for analyzing code quality and coverage.

The development team uses both SonarQube Server and SonarQube for IDE in connected mode to ensure immediate, consistent feedback across all workflows. They check code quality directly within their Visual Studio IDE, analyze every pull request, and monitor code coverage daily. This approach ensures that newly introduced issues never reach production.

Company

Axoft

Company size

Mid-market

Industry

Software

Key Results

- Reported zero technical bugs in new code
- Increased code coverage from 20% to 60%
- Improved development experience and code quality by eliminating redundancies solved via SonarQubeServer verified AI coding assistants

Axoft's developers are also actively leveraging AI code generation tools—such as GitHub Copilot integrated with Visual Studio and ChatGPT for C# coding assistance—to streamline their development process. SonarQube Server acts as the crucial trust and verification layer for AI code, analyzing all contributions, regardless of whether they were developer-written and AI-generated code. Axoft has integrated SonarQube Server with their Azure DevOps platform, automatically creating work items for bugs and security issues detected in the codebase.

This integrated process ensures that all code meets the required standards before changes are committed. Dario Flores, Technical Quality Specialist, summarizes the value, stating: **“Sonar helps our development team confidently make both AI-assisted and human-developed code fit for production by reviewing and establishing rules of good programming practices to achieve better code and avoid typical errors. It also assists us in gauging the code coverage for each project, allowing us to identify areas that still require testing.”** By doing this, Axoft maintains the integrity of their codebase and meets their critical internal and external compliance standards.

The results

With SonarQube Server seamlessly integrated into the SDLC, Axoft's team successfully optimized issue resolution and code quality support.

The results over the past two years showcase Axoft's success in establishing and maintaining rigorous code quality and coverage goals for new code:

- **Zero technical bugs:** The new code added achieved zero technical bugs.
- **Increased code coverage:** Code coverage increased from 20% to 50% in the first phase of adoption.
- **Improved development experience:** The use of AI coding assistants, verified by SonarQube Server, specifically improved code quality by avoiding redundant problem-solving efforts.

SonarQube Server plays a crucial role in maintaining high-quality code by establishing and verifying best practices across the development team. This foundation allows Axoft to confidently produce both AI-assisted and human-developed code that is fit for the future of their software.

About Sonar

Sonar helps developers accelerate productivity, improve code security and code quality, and supports organizations in meeting compliance requirements while embracing collaboration with AI technologies. The SonarQube platform, used by 7M+ developers worldwide, analyzes all code – developer-written, AI-generated, and third-party open source code – supercharging developers to build better applications, faster.

Sonar provides automated code review and assurance, inherently applies secure-by-design principles, fixes issues in code before they become a problem, and enforces policy standards – all while improving the developer experience. Sonar is trusted by the world's most innovative companies and is considered the industry standard for integrated code quality and code security. Today, Sonar is used by 400K organizations, including Mastercard, Barclays, Ford Motor US, and T-Mobile.