SonarQube Agentic Analysis

Verify AI-generated code before it becomes PR rework.

Agentic Analysis brings trusted Sonar verification directly into modern AI coding workflows so teams can catch issues while code is being generated, not only after a pull request fails.

What problem it solves

AI coding tools help teams move faster, but they also make it easier for low-quality code to reach review.

Teams often run into two common problems:

- Basic IDE checks are fast, but they do not have enough project context to catch the issues that matter most
- Code review and CI provide trusted feedback, but the feedback arrives too late for a fast AI-assisted workflow

The result is avoidable rework, more back-and-forth in review, and lower confidence in AI-generated code.

What Agentic Analysis does

Agentic Analysis gives AI coding assistants a fast verification loop using trusted Sonar analysis.

It helps agents:

- Generate code
- Validate it against your existing Sonar standards
- Fix issues earlier in the workflow
- Repeat until the code is cleaner and more ready for review

This helps teams catch issues before they become pull request churn.

How it works

1. A developer works in an AI coding environment such as Cursor, Claude Code, Windsurf, GitHub Copilot, or another compatible workflow.
2. The coding assistant sends generated code to Agentic Analysis.
3. Agentic Analysis checks the code against the project's Sonar context, quality profiles, and standards.
4. Findings are returned quickly so the coding assistant can improve the code before it reaches PR review.

Why it matters

Faster feedback where AI code is created
Catch issues during code generation instead of waiting for PR review or CI.

Better accuracy through project context
Use Sonar project context to catch issues that lightweight single-file checks can miss.

One trusted standard across AI workflows
Apply the same Sonar quality bar your team already relies on, even as developers adopt different AI coding tools.

Cleaner PRs and less review toil
Reduce routine cleanup work so reviewers can focus on logic, architecture, and business value.

Key benefits

- Cleaner first-pass pull requests
- Faster code review with less back-and-forth
- More confidence in AI-generated code
- Better developer flow
- Safer adoption of AI-assisted development

Best fit

Agentic Analysis is a strong fit for teams that:

- Already use SonarQube as part of their software delivery process
- Are adopting AI coding assistants across the development workflow
- Want earlier feedback without replacing their existing CI quality gates
- Need one consistent verification standard across multiple coding environments

See how Agentic Analysis fits into your existing AI coding workflow.

If your team is already using AI coding tools, the next question is not whether to generate faster. It is how to verify earlier.

Enable Agentic Analysis

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