SonarQube Remediation Agent

Ship faster. Let the agent fix what's slowing your PRs down.

SonarQube Remediation Agent generates fix proposals for code issues that cause Quality Gate failures on pull requests, so teams spend less time on routine fixes and more time shipping. It works on new and legacy code, allowing teams to clear technical debt with a single click.

What problem it solves

Code issues that aren't caught early don't disappear — they compound. By the time they surface at a Quality Gate, developers are already context-switching away from new work to address old problems

- Compounding rework: Issues caught late in the PR process require expensive context switches and increase review toil, directly taxing the release velocity.
- Growing technical debt: When problems are permitted to bypass early detection, they aggregate into a mounting backlog that becomes harder to address over time.

What SonarQube Remediation Agent does

SonarQube Remediation Agent is an autonomous tool that integrates directly into your existing GitHub pull request workflow to generate and propose code fixes.

It enables teams to:

- Automatically detect when a PR fails its Quality Gate and generate fixes.
- Post AI-generated fix proposals as a new pull request targeting the original branch, ready for developer review and merge.
- Verify every fix before surfacing it — re-scanning with Sonar's own analysis engine to confirm the agent generated fix resolves the issue without introducing new problems. Fixes that fail validation are discarded automatically.
- Select backlog issues and assign them to the agent with a single click — it opens one dedicated PR per issue, so reviews stay focused and manageable.
- Review, approve, and merge AI-suggested fixes — with full developer control at every step.

How it works

- A developer opens a pull request on GitHub. When the PR fails its SonarQube Quality Gate, the Remediation Agent is triggered by the developer.
- The agent analyzes the failing issues across supported languages: Java, JavaScript, TypeScript, and Python, plus Secrets detection.
- Before surfacing any suggestion, the agent re-scans it using Sonar's own code analysis engine. Any fix that introduces a new security vulnerability or fails to resolve the original issue is automatically discarded.
- Verified fix proposals are posted as a new pull request targeting the original branch, ready for developer review.
- The developer reviews each suggestion, approves or adjusts it, and merges. The developer always has the final say.
- For backlog issues, a new "Assign to Agent" button on the Issues page lets developers select issues and send them to the agent. The agent opens a fresh GitHub PR on the main branch with fix commits organized by rule — ready for review.

Why it matters

Faster PR cycles

Quality gate failures no longer mean waiting for developers to manually address each issue. The agent generates fixes when a developer asks.

Less rework and context switching

Fix proposals are posted as pull requests, reducing the back-and-forth that slows both authors and reviewers.

AI fixes you can actually trust

Unlike generic AI tools that offer suggestions and hope for the best, the Remediation Agent verifies every fix against Sonar's own analysis engine before you see it.

Proactive debt reduction on demand

The “Assign to Agent” feature lets teams tackle existing backlog issues on their own schedule, without blocking new feature work.

Developer control at every step

All AI suggestions are proposals. Developers review and approve every change before it is merged — the agent never acts unilaterally.

Fixes grounded in your SonarQube context

Unlike standalone AI tools, the Remediation Agent has full access to your project’s SonarQube quality profiles, existing issues, and historical context — producing more accurate, relevant fixes.

Key benefits

- Fewer blocked PRs and faster time to merge.
- Less developer time spent on routine, repetitive code fixes.
- Proactive reduction of existing technical debt, on demand.
- AI-generated fixes grounded in your project’s existing SonarQube quality profiles.
- Full developer oversight — the agent proposes, the developer decides.
- No new tooling required — works inside your existing GitHub and SonarQube workflow

Best fit

SonarQube Remediation Agent is a strong fit for teams that:

- Use SonarQube Cloud on an annual Teams or Enterprise plan.
- Work with GitHub pull requests as part of their delivery workflow.
- Want to reduce developer time spent resolving issues that lead to quality gate failures.
- Are looking for a practical, incremental way to reduce existing technical debt
- Need AI-assisted development tools that keeps developers in full control.

Try it free during Open Beta

- SonarQube Remediation Agent is available now on SonarQube Cloud annual Teams and Enterprise plans — at no extra cost during the beta.
- **Access is open to the first 500 organisations** that enable it, so early adoption matters.
- To get started, simply enable the feature from your SonarQube Cloud settings and the agent is ready to use.

Enable Remediation Agent