

# SAST in IDE

(SecureAssist)



## Empower development teams to build secure software from the start

Security vulnerabilities are introduced into applications when the code is written. So why wait until development is complete to find them? Or worse, after the code is released into production, when it's the costliest and most difficult to fix? SecureAssist is a lightweight static analysis tool that automatically detects common application vulnerabilities as you code and offers practical remediation guidance and training so you can fix each issue as it arises.

## So much more than a tool

SecureAssist is much more than a testing tool—it's a teaching tool. It teaches secure coding practices and improves developer productivity by identifying the design flaws and vulnerabilities, explaining the issues they represent, and providing just-in-time contextual guidance. By improving developer security awareness, SecureAssist helps organizations deliver more secure software faster.

## Fit security into your current development process

There's no need to change what you're doing to start using SecureAssist. The tool automatically scans code inside your IDE (e.g., Eclipse or Visual Studio) and provides remediation advice tailored to your coding language (Java, JavaScript, PHP, or .NET).

## Learn to code securely while you work

The more you use this security tool, the more proficient you'll become at coding securely, and the less time you'll have to spend finding and fixing those pesky bugs that rob your productivity and increase your risk profile. Even better, all that time you save by fixing issues on the fly will free you up to develop more cutting-edge features and upgrades.

## Keep your SDLC zipping along

When critical issues aren't found until late in the development process, they take longer to fix and often jeopardize release plans. By addressing security earlier in your development cycle with SecureAssist, you eliminate any need for hundred-page bug reports, triaging, and costly delays. That translates to an increase in productivity, lower costs, and faster time to market.

It's like having a software security spell-checker in your IDE

## 4 more reasons to use SecureAssist

### 1. It's agile-friendly

By introducing security early in the process, SecureAssist fosters the tight feedback loops needed in a modern agile environment.

### 2. It's customizable

Create custom vulnerability rules, and standardize company-approved guidance and configuration settings.

### 3. It reports remotely

View aggregate and individual statistics to quantify how you've improved your company's security over time.

### 4. It's refreshed regularly

Get updated rules as new vulnerabilities surface, and receive periodic product updates with feature expansions.

## So easy to use

1. First, install SecureAssist in your IDE.
2. As you code, SecureAssist automatically scans your code and points out vulnerabilities.
3. Double-click to jump to the highlighted risky code, review the issue in code-view and get in-depth guidance on how to fix the issue.
4. Implement the syntax-specific remediation advice, and go back to coding.
5. Management checks the nightly dashboard to find out what issues were corrected.

## Supported languages

- Java
- JavaScript
- PHP
- .NET

## Supported IDEs

- Eclipse
- Spring Tool Suite
- RAD
- Visual Studio
- IntelliJ

## SecureAssist checks

- Injection
- Broken authentication and session management
- Cross-site scripting (XSS)
- Insecure direct object references
- Security misconfiguration
- Sensitive data exposure
- Unvalidated redirects and forwards
- Malicious file execution
- Information leakage and improper error handling

## The Synopsys difference

Synopsys offers the most comprehensive solution for building integrity—security and quality—into your SDLC and supply chain. We've united leading testing technologies, automated analysis, and experts to create a robust portfolio of products and services. This portfolio enables companies to develop customized programs for detecting and remediating defects and vulnerabilities early in the development process, minimizing risk and maximizing productivity. Synopsys, a recognized leader in application security testing, is uniquely positioned to adapt and apply best practices to new technologies and trends such as IoT, DevOps, CI/CD, and the Cloud. We don't stop when the test is over. We offer onboarding and deployment assistance, targeted remediation guidance, and a variety of training solutions that empower you to optimize your investment. Whether you're just starting your journey or well on your way, our platform will help ensure the integrity of the applications that power your business.

For more information go to [www.synopsys.com/software](http://www.synopsys.com/software).

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