

Synopsys Developer Security Training

Powered by Secure Code Warrior



Together, Synopsys and Secure Code Warrior help developers to be security-capable in ways that matter most to the business, and empower security teams to align training to true risks.

Synopsys, a leader in application security testing (AST), and Secure Code Warrior, a leader in secure coding education, are partnering to provide the most effective joint solution for developer-first security for DevSecOps. This integrated solution establishes a closed-loop strategy to preclude security issues at the developer desktop and accelerate time to remediation for issues detected during security testing across the software development life cycle (SDLC) and CI/CD pipelines.



Synopsys AST tools help prioritize security risks for remediation and associate security education automatically, so developers are offered the most appropriate and impactful resources to address the issue.

The role of security training in DevSecOps

The easiest security issues to fix are the ones that never make it into the project from the start. As the need for qualified development professionals grows, security and development teams are confronting the need for relevant developer security training that adheres to risk tolerance thresholds and supports business goals.

Secure Code Warrior's agile learning platform for secure coding provides the most complete and reliable AppSec education in the industry today, and it lets developers learn how they want. Secure Code Warrior security training is embedded into Synopsys Seeker® IAST, Coverity® SAST, and Software Risk Manager to accelerate time to remediation, and directly address security issues as developers code. This enables organizations to prescribe relevant education to development and engineering teams without derailing DevOps workflows. The curricula can be tailored to specific technologies, projects, compliance standards, and other business needs.

The most engaging platform for developer education

Developers are an organization's first line of defense when it comes to averting exploitation and infiltration of vulnerable applications. Security teams often struggle to increase adoption of security tools and practices among development teams, which frequently sacrifice security for speed. The Secure Code Warrior platform delivers the most engaging resources to foster developer security awareness and capabilities, using mechanisms like

- Clear and detailed courses that use interactive, microburst learning formats so developers can learn, test, and apply their knowledge quickly, in the context of real work they are already doing
- Interactive, step-by-step guided walkthroughs to help developers understand vulnerabilities and insecure coding patterns

- Immersive coding simulations that send developers on missions to practice secure coding and offensive security tactics in a risk-free environment
- Challenge-based exercises in which developers analyze real-world scenarios, identify problematic code, and choose the best remediation tactic to earn points and advance in team leaderboards
- Hands-on coding with real-time feedback in a secure, browser-based IDE to foster security capabilities with contextualized feedback and coaching while developers code
- The most expansive library of security topics and concepts available today, tailored to developers of diverse skill levels, from beginner to security champion

Application security testing to find and fix issues quickly

Synopsys Developer Security Training, powered by Secure Code Warrior, joins the Synopsys suite of industry-leading application security testing solutions to enable security and DevOps teams to establish software security best practices from development into production.

By integrating security testing across the SDLC and CI/CD pipelines, security teams can automatically identify bugs and security risks in proprietary source code, third-party binaries, and open source dependencies, and pinpoint vulnerabilities in applications, APIs, protocols, and containers. Organizations can define custom policies or compliance standards to prioritize the most pressing issues, and they can accelerate time to remediation by delivering clear fix guidance to developers directly within their workflows. Synopsys solutions include



Polaris Software Integrity Platform®. Optimized for the needs of development and DevSecOps, the Polaris platform brings together market-leading security analysis engines in a unified SaaS platform, providing the flexibility to run tests based on application, project, schedule, or SDLC events.



Coverity. Our fast, accurate, and highly scalable static analysis (SAST) solution helps development and security teams address security and quality defects early in the SDLC, track and manage risks across the application portfolio, and ensure compliance with security and coding standards.



Black Duck®. Our software composition analysis (SCA) helps teams manage the security, quality, and license compliance risks that come from the use of open source and third-party code in applications and containers. Define policies for open source use, security risk, and license compliance up front and automate enforcement across the SDLC.



Seeker. The industry's first interactive application security testing (IAST) solution with automatic active verification to identify true risks for prioritized remediation. Seeker monitors web app interactions in the background during normal preproduction testing and can quickly process hundreds-of-thousands of HTTP(S) requests, delivering results in seconds with near-zero false positives.

Synopsys delivers a complete solution for secure development with results generated by Coverity, Seeker, and Software Risk Manager, and integrated training recommendations from the Secure Code Warrior platform. Developers can access security training relevant to detected risks directly from the Synopsys Code Sight IDE plugin, or prescribed to them through tailored curricula. This helps accelerate remediation and increase the ROI of your security program, with quantifiable reductions of new risks introduced during development.

The Synopsys difference

Synopsys provides integrated solutions that transform the way you build and deliver software, accelerating innovation while addressing business risk. With Synopsys, your developers can secure code as fast as they write it. Your development and DevSecOps teams can automate testing within development pipelines without compromising velocity. And your security teams can proactively manage risk and focus remediation efforts on what matters most to your organization. Our unmatched expertise helps you plan and execute any security initiative. Only Synopsys offers everything you need to build trust in your software.

For more information about the Synopsys Software Integrity Group, visit us online at www.synopsys.com/software.