Software Security Portfolio
Build secure, high-quality software faster
A full spectrum of tools and services

Synopsys helps development teams build secure, high-quality software, minimizing risks while maximizing speed and productivity. Synopsys, a recognized leader in application security, provides static analysis, software composition analysis, and dynamic analysis solutions that enable teams to quickly find and fix vulnerabilities and defects in proprietary code, open source components, and application behavior. With a combination of industry-leading tools, services, and expertise, only Synopsys helps organizations optimize security and quality in DevSecOps and throughout the software development life cycle.

### Integrated Tools

Modern applications are built with a mix of proprietary code, open source components, and runtime behavior and configuration. We offer industry-leading tools to secure all three:

- **Coverity Static Analysis.** Identify critical quality defects and security vulnerabilities early in the SDLC, when it’s least expensive to remediate, with our comprehensive static analysis solution.
- **Black Duck Software Composition Analysis.** Detect and manage open source and third-party component risks in development and production with our industry-leading software composition analysis tools.
- **Seeker and Defensics Dynamic Analysis.** Test running applications for common security weaknesses and vulnerabilities with our innovative dynamic analysis offerings, Seeker interactive application security testing and Defensics fuzz testing.

### Managed Services

Our security-as-a-service (SaaS) model enables security teams to accelerate security, quality, and compliance testing for any application, at any depth, to rapidly respond to changing testing requirements and evolving threats. Our premium automated testing tools include:

- **Dynamic Application Security Testing (DAST)** to identify security vulnerabilities while web applications are running, without the need for source code.
- **Penetration Testing** to eliminate vulnerabilities in server-side applications and APIs.
- **Mobile Application Security Testing (MAST)**, which combines traditional static and dynamic testing techniques to discover vulnerabilities and malicious or potentially risky actions.
- **Static Application Security Testing (SAST)**, which scans source code and systematically identifies and eliminates software security vulnerabilities.
Professional Services

Synopsys provides access to hundreds of industry-leading experts to help you integrate quality and security best practices, tools, and strategies into your organization’s unique technology stack.

- **Architecture and Design/Threat Modeling.** Identify missing/weak security controls, understand design best practices, and mitigate security and quality defects.
- **DevSecOps Integration.** Inject security and quality analysis into your development workflow at the right time, at the right level, with the right tools and processes.
- **Cloud Security.** Develop a sustainable software integrity initiative for applications deployed to the cloud.

Strategy and Planning

Our experts draw on experiences working with hundreds of organizations to help you build a strong foundation for your software security initiative (SSI), communicate security and quality requirements across teams, and measure the results that matter.

- **Building Security In Maturity Model (BSIMM).** Measure the effectiveness of your SSI by assessing your current state.
- **Maturity Action Plan (MAP).** Get clear directions for establishing or maturing your software security program.

Security Training

We provide training across every role in your software development organization to help you develop the skills necessary to create and maintain secure, high-quality software. We offer a variety of training methods so you can select the approach that fits your learning goals and your schedule.

- **Instructor-Led Training.** A hands-on, technically rich training experience delivered on your own premises.
- **eLearning.** A suite of on-demand, online application security training classes based on real-world experience and taught by industry-leading security practitioners.
- **IDE-Based Training.** The ideal way to learn secure coding best practices as you code.

To date, Synopsys, a $15 billion company, has invested over $1 billion into building the ultimate software security solution. We currently work with:

- 17 of the top 25 commercial banks
- 9 of the top 10 software companies
- 4 of the top 5 managed healthcare firms
- 3 of the top 4 U.S. wireless providers

Our mission is to help you build secure, high-quality software faster for years to come.
Polaris Software Integrity Platform

The Polaris Software Integrity Platform™ brings the power of Synopsys Software Integrity products and services together into one integrated solution. Unlike other platforms, Polaris enables security and development teams to use the same security analysis engines in both the developer and build/test environments, ensuring consistency of results throughout the development process. In turn, the vulnerabilities found can be fixed earlier in the SDLC, minimizing downstream delays and costs.

- Automate static, dynamic, and software composition analysis with the tools your developers already use.
- Integrate application security analysis seamlessly into your IntelliJ, Eclipse, or Visual Studio IDE with the Polaris Code Sight™ IDE plugin.
- Get combined results from multiple Synopsys analysis engines, including Coverity and Black Duck, in consolidated reports and dashboards.
- Automate security testing and policy enforcement with Jenkins, Travis, Kubernetes, Red Hat OpenShift, and other DevOps orchestration tools.

The Synopsys difference

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

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