A full spectrum of tools and services

Synopsys helps development teams build secure, high-quality software, minimizing risks while maximizing speed and productivity. 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.

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.

Integrated Tools

Modern applications are built with a mix of proprietary code, code from open source components, and testing for behavior and configuration in a runtime environment. 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.** Test running applications for common security weaknesses and vulnerabilities with our innovative dynamic analysis offerings, Seeker interactive application security testing and Defensics fuzz testing.

The Synopsys Software Integrity Toolbelt

Everything you need to build secure, high-quality software faster
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**, 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.

9 common goals we help you achieve
1. Mitigate and manage risk
2. Accelerate security programs and testing
3. Manage compliance
4. Create internal/operational efficiencies
5. Reduce time to market
6. Minimize costs
7. Improve business process agility and outcomes
8. Elevate customer relations and service
9. Drive innovation
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.

Top 5 reasons our customers prefer us
1. Our services expertise
2. Our products
3. Our overall cost
4. Our customer focus
5. Our user community

“A true partner . . . helping guide us in a logical and strategic direction.”
–Vice president in the services industry

The Synopsys difference
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For more information, go to www.synopsys.com/software

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