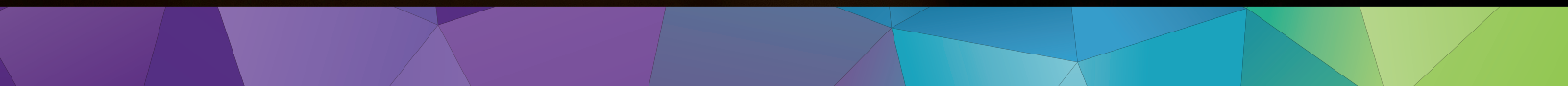# Build Trust in Your Software
Synopsys Solutions for Application Security

Software risk is business risk

Software is at the core of digital transformation, enabling you to create value for your customers in new, innovative ways. However, software introduces business risks that need to be managed proactively and at the same velocity as software development itself. This places new demands on software security. Speed is imperative, which means that efficiency and productivity are no longer luxuries.
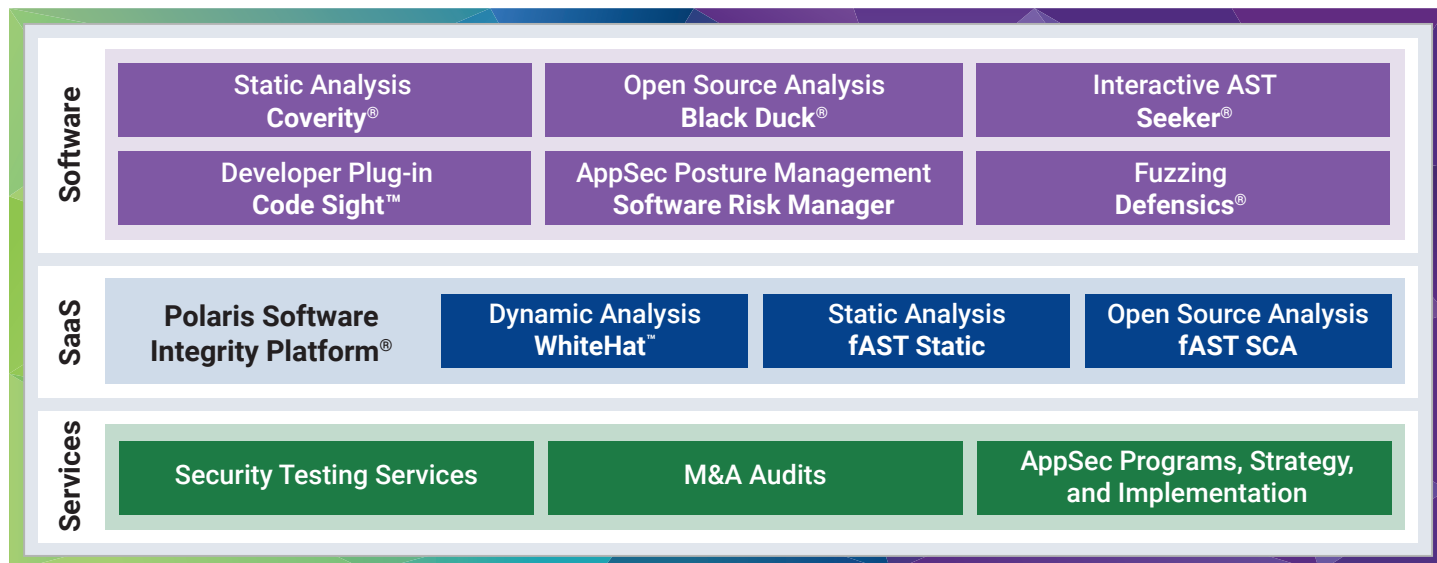
Synopsys builds trust in software by enabling you to manage application security, quality, and compliance risks at the speed your business demands. Our next-generation application security (AppSec) solutions provide a comprehensive view of software risk across your portfolio, allowing you to go from reactive vulnerability response to proactive risk management and focus on what matters most to your organization.

Leverage the industry's most comprehensive portfolio

Building software your users can trust requires you to secure everything that goes into it. Synopsys offers the most comprehensive set of application security testing (AST) tools to detect security, quality, and compliance issues in proprietary code, open source and third-party dependencies, application behavior, and deployment configurations. Each tool is a recognized market leader in its respective category, making Synopsys the natural choice for organizations looking to consolidate their AST tools provider.

- **Software composition analysis.** Black Duck® detects and manages open source and third-party component risks in development and production. Black Duck uniquely identifies open source included in container images and binaries.
- **Static application security testing.** Coverity® identifies critical quality defects and security weaknesses in your proprietary code and infrastructure-as-code early in the software development life cycle when it's least expensive to remediate.
- **Dynamic analysis.** WhiteHat™ Dynamic safely and efficiently performs continuous dynamic analysis on production applications, testing software in the same state as attackers.
- **Interactive analysis.** Seeker® discovers real, exploitable vulnerabilities in web-based applications during QA and other testing cycles, with near zero false positives.
- **Fuzz testing.** Defensics® finds security weaknesses and vulnerabilities through flexible, scalable, automated negative testing that integrates into development workflows.

Synopsys provides a complete AppSec portfolio to address your needs

Software	Static Analysis Coverity®	Open Source Analysis Black Duck®	Interactive AST Seeker®
	Developer Plug-in Code Sight™	AppSec Posture Management Software Risk Manager	Fuzzing Defensics®

SaaS	Polaris Software Integrity Platform®	Dynamic Analysis WhiteHat™	Static Analysis fAST Static	Open Source Analysis fAST SCA

Services	Security Testing Services	M&A Audits	AppSec Programs, Strategy, and Implementation

SYNOPSYS®

Deliver secure, high-quality code faster

Development velocity is key to business success. Your security and risk management efforts can't jeopardize time to market or compromise your digital transformation. You need to test software at the right time and at the right level, and then prioritize findings for remediation. Synopsys goes beyond testing tools to help teams maintain DevOps velocity and focus remediation on the issues that matter most to your business.

- **No-compromise cloud-based AST.** Polaris Software Integrity Platform® provides both fAST Static and fAST SCA built on the market-leading analysis engines. Polaris makes it easy for developers to onboard and start scanning in minutes while enabling security teams to track and manage their AppSec testing activities and risks.
- **IDE-based analysis.** Code Sight™ performs static analysis and software composition analysis performed directly in the developer's environment with remediation guidance to address identified vulnerabilities. Code is secure as it is written, driving productivity.
- **Simplified AppSec management.** Software Risk Manager unifies policy, orchestration, correlation, and built-in SAST and SCA engines to streamline security activities and prioritize the test findings of Synopsys, third-party, and open source tools.
- **Comprehensive DevSecOps integrations.** Integrations readily incorporate software testing into DevOps toolchains, including source code management like GitHub and GitLab, binary repositories like Artifactory and Docker, workflow tools like Jira, and continuous integration like CloudBees and Jenkins.

# Beyond tools: experts to help you build trust

To fully understand and mitigate your software risk, you need more than tools. By aligning people, processes, and technology in a comprehensive AppSec program, you can address security risks across your organization and at all stages of the application life cycle. Synopsys stands alone in offering industry-leading solutions and services to help you build and optimize your AppSec program.

- **Strategy and planning.** Build a strong foundation for your AppSec program, communicate security and quality requirements across teams, and measure key results.
- **Threat and risk assessments.** Adopt an attacker's perspective to identify threats against your software and systems, and measure your organization's attack readiness.
- **Open source audits.** Ensure the financial and reputational success of any M&A transaction with Black Duck Audits, which can identify and assess open source and third-party components, licenses, and vulnerabilities.
- **Security training.** Develop the skills to create and maintain secure, high-quality software across every role in your development organization, with a variety of training methods that fit your learning goals and schedule.
- **Consulting.** Access hundreds of industry-leading experts to help you integrate quality and security best practices, tools, and strategies into your unique technology stack.
- **Customer success.** Achieve your AppSec goals by tapping into our dedicated product experts, support teams, online resources, and global network of Synopsys customers.
- **Penetration testing.** Flexible and scalable on-demand testing performed by security experts, tailored to meet changing requirements and evolving threats.

To date, Synopsys, with a market cap over $50 billion, has invested over $2 billion into building the leading software security solution. We currently work with

49 of the Fortune 100 companies
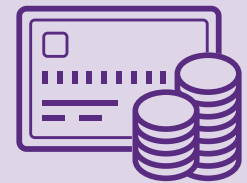
6 of the top 10 financial services companies

10 of the top 10 technology companies

6 of the top 10 healthcare companies

Our mission is to help organizations build trust in software by managing application risks at the speed their business demands.

SYNOPSYS®

The Synopsys open ecosystem reduces complexity and improves AppSec risk posture

Organizations are increasingly looking for ways to reduce the complexity of their application security programs and improve their overall risk posture. In addition to the most comprehensive portfolio in the market, only Synopsys offers an open ecosystem that gives you the flexibility to interoperate with your existing third-party and open source tools. Our open, pragmatic approach provides a single source of truth with a comprehensive and actionable view of risk that empowers your organization to build the security program that best meets your needs.

- **Analyst validation.** Only Synopsys carries the Leader designation in all three analyst ratings for application security.
  - The Gartner® Magic Quadrant™ for Application Security Testing—A Leader for seven consecutive years, and farthest-right and highest for five consecutive years. Synopsys also ranks first in all five categories in Gartner's "Critical Capabilities for Application Security Testing" report.
  - The Forrester Wave™ for Static Application Security Testing.
  - The Forrester Wave™ for Software Composition Analysis.
- **Commitment to AppSec.** Synopsys has invested well over $2B to build the most comprehensive portfolio in the market. Only Synopsys has a full suite of AST tools combined with deep experience and the strength of a worldwide services organization.
- **Strength and stability.** Synopsys is an S&P 500 corporation with a 35-year history of fiscal responsibility and sustained growth. In a market where many companies have changed hands multiple times, Synopsys is your long-term partner.

Figure 1: Magic Quadrant for Application Security Testing

Synopsys has been a Leader in the Gartner® Magic Quadrant™ for Application Security Testing for seven consecutive years, and farthest-right and highest for five consecutive years.

Synopsys is your partner to help you build trust in your software

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.

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