eLearning
Achieve Security Compliance With Security Competency

Empowering developers to build secure software and organizations to drive secure behavior

Product overview
Synopsys eLearning is an outcome-driven, learner-centric training solution that makes learning about security easy, relevant, and accessible. Learners have on-demand access to an immersive, continuous learning ecosystem that unifies security expertise, instructional design, and storytelling into an intuitive platform. By learning in an ideal environment for retaining and applying skills, developers gain the security competency they need to help their organizations achieve security compliance.

Key features
Synopsys has revolutionized the software security learning experience by employing key features and techniques that enhance content discovery and engage active learning.

Single sign-on support
Synopsys eLearning supports single sign-on (SSO) through LDAP, Active Directory, and SAML, enabling quick user onboarding and large-scale deployments.
Synopsys eLearning harnesses interactive mechanics that drive learner adoption, progression, and knowledge retention:

- Best-of-breed instructional design
- Animated walk-throughs
- Case studies of real-world exploits
- Technical deep dives
- Frequent knowledge checks and assessments

Synopsys eLearning also integrates with discussion forums to enable learners to collaborate and socially reflect.

Near real-time learner and administrative reporting

Synopsys eLearning offers robust reporting capabilities for both learners and administrators.

**Learners**

- Course completion
- Curriculum progress
- Assessments passed
- Feedback tracking and scoring

**Administrators**

- Engagement and product usage
- Cohort progress
- Leaderboards
- Custom notifications

We also provide API support for reporting, offering the freedom to port data to your internal data warehouse for additional analysis and reporting.

Mobile responsiveness for on-the-go learning

Meet the needs of modern learners by making software security training accessible when they are on the go. Learners have 24/7 on-demand access to training, so they can refresh their knowledge of concepts or meet course objectives in just 5–10 minutes.

Training by role, team, and project

Organize users into cohorts to assign curricula based on role, team, or project. With Synopsys eLearning’s self-service administration portal, organizations can provision tracks and manage learning within minutes.

Synopsys offers security courses relevant to a wide range of roles, teams, and projects:

- Software security fundamentals
- Language- and platform-specific instruction
- Mobile application security
- Security enablement
- Requirements, architecture, and testing
- And more

SCORM compliant

Synopsys eLearning courses are SCORM 1.2 compliant. Consume our courses within your SCORM 1.2–compliant learning management system to augment your existing library and design your own curriculum.
Available in multiple languages

Synopsys eLearning courses are available in English, Chinese, and Japanese. Users can experience Synopsys eLearning in their preferred language, while receiving the same education as their peers.

eLearning | Technical Specification

Updated for 8.8.2 Release (05/21/2020)

Fundamentals
• Attack and Defense
• DevSecOps Security
• Foundations of Information Security Awareness
• Introduction to Cryptography for Developers and Architects
• OWASP Top 10 (2017)
• Principles of Software Security

Defensive Strategies
• Architecture Risk Analysis
• Introduction to Automotive Security
• Secure Password Storage
• Threat Modeling

Languages and Platforms
• Building Security Into ASP.NET MVC With C#
• C/C++ Security
• Defensive Programming for COBOL
• Defensive Programming for HTML5 Security
• Defensive Programming for Java EE Web Applications
• Defensive Programming for PHP Security
• Foundations of .NET Platform Security
• Foundations of COBOL Security
• Introduction to HTML5 Security
• Introduction to PHP Security
• Java Advanced Secure Coding
• Java Security Fundamentals
• Java Spring Security
• JavaScript Security
• Node.js Security
• React.js Security
• Securing AngularJS
• Securing Express.js
• Securing MongoDB
• Securing Python Web Applications

Cloud Platforms
• Introduction to Cloud Security
• Secure Implementation of Docker and Kubernetes
• Securing Amazon Web Services
• Securing Google Cloud Platform
• Securing Microsoft Azure

Authentication and Authorization
• Advanced OAuth 2.0 Topics
• OAuth 2.0 Security
• OpenID Connect
• SAML Security
• Securely Accessing APIs Using OAuth 2.0
• Securely Granting Access to an API using OAuth 2.0

Mobile
• Android Security
• Foundations of Mobile Security
• Fundamentals of iOS
• Secure Programming for iOS

Requirements, Architecture, and Training
• Risk-Based Security Testing
• Secure Development for Financial Services
• Software Security Requirements

Regulation and Compliance
• California Consumer Protection Act (CCPA)
• GDPR for Developers and Architects
• GDPR for Development and Project Managers
• GDPR for Upper Management
• Introduction to GDPR
• PCI DSS Security

Microcourses
• Hapi.js Security
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.

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

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