eLearning
Achieve Security Compliance With Security Competency

Arming teams, from developer to CISO, with the knowledge necessary to build secure software and organizations

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 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

Training by role, team, and project
Create user groups and dynamically assign curriculum based on user criteria. With Synopsys eLearning's self-service administration portal, organizations can provision track 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
With Synopsys eLearning, administrators can measure security training impact and effectiveness.

- Mobile application security
- Security enablement
- Requirements, architecture, and testing
- And more

**Track progress and motivate learners**

Help guide learners while letting them take control:
- Send push notifications about upcoming or past-due training.
- Let learners easily track their progress and view courseware on their own.
- Encourage active participation by enabling users to earn points, certificates, and badges and compete on leaderboards.

**Robust administrative reporting**

Synopsys eLearning reporting capabilities provide a snapshot of learner progress and training success. Administrators can:
- See completed courses and view associated scoring.
- Audit curriculum progress.
- View course engagement and use.
- Drill into user group and departmental use.
- Create custom reports with drag-and-drop fields.

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

**Integrations with Code Sight, Seeker, and Coverity**

Allow your developers and security teams to tap into eLearning from the environments they’re familiar with. eLearning integrates with Code Sight™, Seeker®, and Coverity® Connect and can serve context-specific security lessons from within the IDEs and security tools that development teams use to build and test code.

**Flexible deployment**

Consume eLearning courses on our hosted learning management system (LMS) or upload them into your own SCORM 1.2 compliant platform.
eLearning | Technical Specification

Version 2021.4 (Released: 4/15/2021)

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

Defensive Strategies
• DevOps for Security Managers
• Introduction to Automotive Security
• Introduction to Securing the Internet of Things
• Living With Open Source
• Open Source Policies and Risks
• Secure Communication for the Internet of Things
• Secure Development for Financial Services
• Secure Password Storage
• Threat Modeling

Languages and Platforms
• Building Security Into ASP.NET
• 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 COBOL Security
• Foundations of .NET Platform Security
• Hapi.js 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
• Secure Programming for Golang
• Securing Angular.js
• Securing Express.js
• Securing Python Web Applications

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

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

Requirements, Architecture, and Training
• Architecture Risk Analysis
• Risk-Based Security Testing Strategy
• Software Security Requirements

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

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.
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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