

INFRARED SECURITY eLEARNING

BUILD SECURE SOFTWARE CAPABILITY ACROSS EVERY ROLE IN THE SDLC.

Infrared Security helps modern software organizations turn application security from a one-time compliance requirement into a practical, repeatable engineering capability. Our role-based eLearning programs give developers, architects, product leaders, platform teams, and managers the knowledge they need to recognize risk earlier, make better design decisions, and build safer applications across the full software lifecycle.

From secure coding and threat modeling to API security, GenAI risk, cloud infrastructure, and software supply chain protection, our courses help teams connect security concepts to the real decisions they make every day. Learners gain practical guidance they can apply during planning, design, development, deployment, and ongoing operations, without slowing innovation or overwhelming teams with abstract theory.

Security isn't a barrier. It is your organization's next differentiator: a way to build trust, reduce risk, and deliver software with greater confidence.

HIGHLIGHTS:

- **Build lasting capability.** Practical, role-specific training helps teams identify, prevent, and communicate application risk.
- **Train every role, at every level.** Curricula support developers, product owners, architects, DevOps/platform teams, and leaders.
- **Cover Modern Risk.** Courses span, APIs, mobile, containers, cloud IaC, software supply chain, and GenAI.
- **Deploy anywhere, integrate easily.** Flexible delivery through SCORM-compliant content fits seamlessly into existing LMS or enterprise learning environments.
- **Meet compliance with confidence.** Designed to help satisfy secure development training needs, including PCI DSS 4.0 secure coding

eLearning Program Strategy

CERTIFICATION

Communicate a vision of a multi-year training program followed by educating and certifying foundational concepts.

1

EXPANSION

Expand training to offer more advanced role-based curricula targeting all stakeholders in product development.

2

INTEGRATION

Shift the culture and make security education a daily practice by integrating it within the processes and technologies in place today.

4

CONTINUATION

Deliver continued role-based training to ensure stakeholders stay current with latest threats facing their applications.

3

4 LEVELS

ROLE-BASED APPLICATION SECURITY TRAINING PROGRAM

2

Infrared Security's eLearning platform provides the necessary ingredients to develop and deploy a tailored Application Security Training Program. Covering a wide range of application security topics, you have the ability to define role-based eLearning course curricula unique to the roles and responsibilities of key stakeholders within and beyond your product development teams.

STAGE 1: Build Awareness

STAGE 2: Apply by Role

STAGE 3: Advance by Risk



SECURE PRODUCT

- Integrating Security Throughout the SDLC
- App Sec Foundations
- Foundational Exam

- Secure SDLC & Risk Management Series

- Building Secure GenAI Applications Series
- Docker and Application Container Security



SECURE MANAGER

- Integrating Security Throughout the SDLC
- App Sec Foundations for Managers
- Foundational Exam for Managers

- Software Security Compliance
- Deriving Security Requirements within the SDLC Planning Phase
- Securing the Supply Chain

- Threat Modeling
- API Security
- Building Secure GenAI Applications Series



SECURE DEVELOPER

- Integrating Security Throughout the SDLC
- App Sec Foundations for Developers Learning Path
- Foundational Exam for Developers

- API Security
- Securing the Supply Chain
- Building Secure Applications Series

- Building Secure GenAI Applications Series
- Docker and Application Container Security



SECURE ARCHITECT

- Integrating Security Throughout the SDLC
- App Sec Foundations for Developers Learning Path
- Foundational Exam for Developers

- Secure SDLC & Risk Management Series
- API Security
- Securing the Supply Chain

- Building Secure GenAI Applications Series
- DevSecOps & Platform Security Series

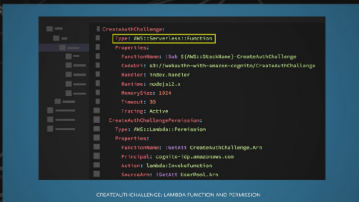
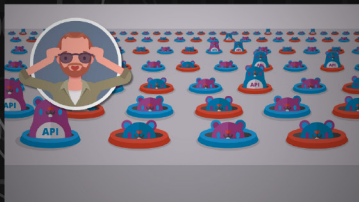
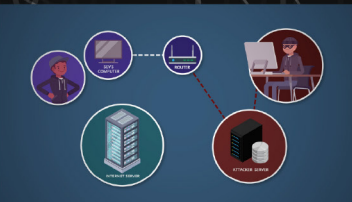
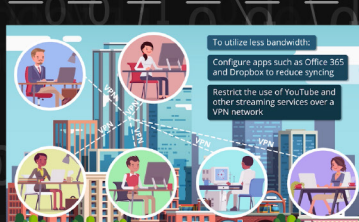
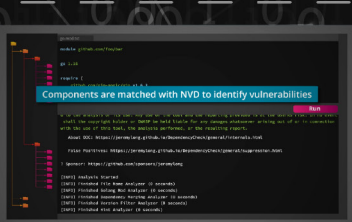


SECURE PLATFORM

- Integrating Security Throughout the SDLC
- App Sec Foundations
- Foundational Exam

- DevSecOps & Platform Security Series

- Securing the Supply Chain
- API Security
- Software Security Compliance



RICHLy ANIMATED AND ENTERTAINING STORIES MAKE THESE EDUCATIONAL MODULES EXTREMELY ENJOYABLE WHILE ABSORBING KEY APPLICATION SECURITY CONCEPTS

APP SEC ESSENTIALS SERIES

Learners will gain an understanding of key foundational concepts relating to application security including vulnerabilities and mitigation strategies covering industry-recognized taxonomies.

Course	Duration
APP SEC FOUNDATIONS	1 hour
APP SEC FOUNDATIONAL EXAM	30 minutes
APP SEC FOUNDATIONS FOR MANAGERS UPDATED	1 hour
MOBILE APP SEC FOUNDATIONS FOR MANAGERS	1 hour
APP SEC FOUNDATIONAL EXAM FOR MANAGERS	30 minutes
APP SEC FOUNDATIONS FOR DEVELOPERS LEARNING PATH	4 hours
INTRODUCTION TO APPLICATION SECURITY	10 minutes
INJECTION	15 minutes
BROKEN AUTHENTICATION	30 minutes
SENSITIVE DATA EXPOSURE	25 minutes
XML EXTERNAL ENTITIES	15 minutes
BROKEN ACCESS CONTROL	30 minutes
SECURITY MISCONFIGURATION	25 minutes
CROSS-SITE SCRIPTING	25 minutes
INSECURE DESERIALIZATION	20 minutes
USING COMPONENTS WITH KNOWN VULNERABILITIES UPDATED	15 minutes
INSUFFICIENT LOGGING AND MONITORING	20 minutes
SERVER-SIDE REQUEST FORGERY	15 minutes
SECURING THE SUPPLY CHAIN: MAINTAINING SOFTWARE AND DATA INTEGRITY	30 minutes
CROSS-SITE REQUEST FORGERY NEW	15 minutes
OPEN REDIRECT NEW	15 minutes
API SECURITY	1.5 hours
MOBILE APP SEC FOUNDATIONS FOR DEVELOPERS	3 hours
FOUNDATIONAL EXAM FOR DEVELOPERS	1 hour
OWASP TOP TEN 2025 AT A GLANCE NEW	15 minutes

BUILDING SECURE APPLICATIONS SERIES

The Building Secure Applications Series gives developers practical, language-specific guidance for writing more secure code. Courses focus on common vulnerabilities, secure coding patterns, and technology-specific controls that help teams reduce risk in the applications they build and maintain.

Course	Duration
BUILDING SECURE .NET APPLICATIONS	1 hour
BUILDING SECURE JAVA APPLICATIONS	1 hour
BUILDING SECURE JAVASCRIPT APPLICATIONS	1 hour
BUILDING SECURE C/C++ APPLICATIONS	30 minutes
BUILDING SECURE PYTHON APPLICATIONS	1 hour
BUILDING SECURE RUBY APPLICATIONS	1 hour
BUILDING SECURE GO APPLICATIONS	1 hour
BUILDING SECURE MOBILE APPLICATIONS	1 hour

BUILDING SECURE GENAI APPLICATIONS SERIES

The Building Secure GenAI Applications Series helps developers, engineers, architects, and security teams understand and reduce the unique risks introduced by AI-enabled applications. Courses focus on prompt injection, sensitive data disclosure, insecure AI workflows, unsafe tool use, and practical controls for building trustworthy GenAI systems.

Course	Duration
BUILDING SECURE GenAI APPLICATIONS: PROMPT INJECTION NEW	30 minutes
BUILDING SECURE GenAI APPLICATIONS: MITIGATING SENSITIVE DATA DISCLOSURE NEW	30 minutes

DEVSECOPS & PLATFORM SECURITY SERIES

The DevSecOps & Platform Security Series helps technical teams secure the environments, pipelines, infrastructure, and deployment practices that modern applications depend on. Courses in this series focus on practical security controls for containers, cloud identity, infrastructure as code, and secure software delivery. Learners explore how to reduce risk across build, deployment, and runtime environments while supporting

Course	Duration
INFRASTRUCTURE AS CODE: IDENTITY AND ACCESS MANAGEMENT IN AWS	1 hour
INFRASTRUCTURE AS CODE: IDENTITY AND ACCESS MANAGEMENT IN GCP	1 hour
DOCKER AND APPLICATION CONTAINER SECURITY	30 minutes

SECURE SDLC & RISK MANAGEMENT SERIES

The Secure SDLC & Risk Management Series helps software teams build security into planning, design, development, and governance activities before applications reach production. Courses focus on integrating security across the SDLC, defining security requirements, identifying and prioritizing threats, and understanding compliance expectations in a practical, developer-focused way.

Course	Duration
INTEGRATING SECURITY THROUGHOUT THE SDLC UPDATED	1 hour
DERIVING SECURITY REQUIREMENTS WITHIN THE SDLC PLANNING PHASE UPDATED	30 minutes
THREAT MODELING	1 hour
MODERN APPLICATION THREAT MODELING COMING SOON	1 hour
SOFTWARE SECURITY COMPLIANCE - A DEVELOPER-FOCUSED APPROACH NEW	30 minutes