

INFRARED SECURITY eLEARNING

ESTABLISH A SCALABLE APPLICATION SECURITY TRAINING PROGRAM FOR MANAGERS, DEVELOPERS, TESTERS, AND ARCHITECTS

Education is the cornerstone of any modern application security program. Business Teams, Developers, Managers, Architects, and Testers must be fully aware of a large variety of attacks and, more importantly, how to defend your organization's web and mobile applications. With that in mind, Infrared Security has built the most effective, educational, and entertaining application security eLearning platform on the market, featuring security learning tracks for "technical" and "less-technical" learners. Upon participation, Learners will be able to more readily identify, mitigate, and prevent common security vulnerabilities within their applications and their Software Development Lifecycle (SDLC).

HIGHLIGHTS:

- Participants gain a deep understanding of major risks inherent to applications, including web and mobile
- Role-based training providing in-depth offerings best suited for multi-year training initiatives targeting Managers, Developers, Architects, Business Team, and Testers
- Flexible deployment options using SCORM-compliant course content
- Fulfills PCI DSSv4 6.2.2 Compliance Requirement

eLearning Program Strategy

CERTIFICATION

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

1

EXPANSION

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

2

INTEGRATION

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

4

CONTINUATION

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

3

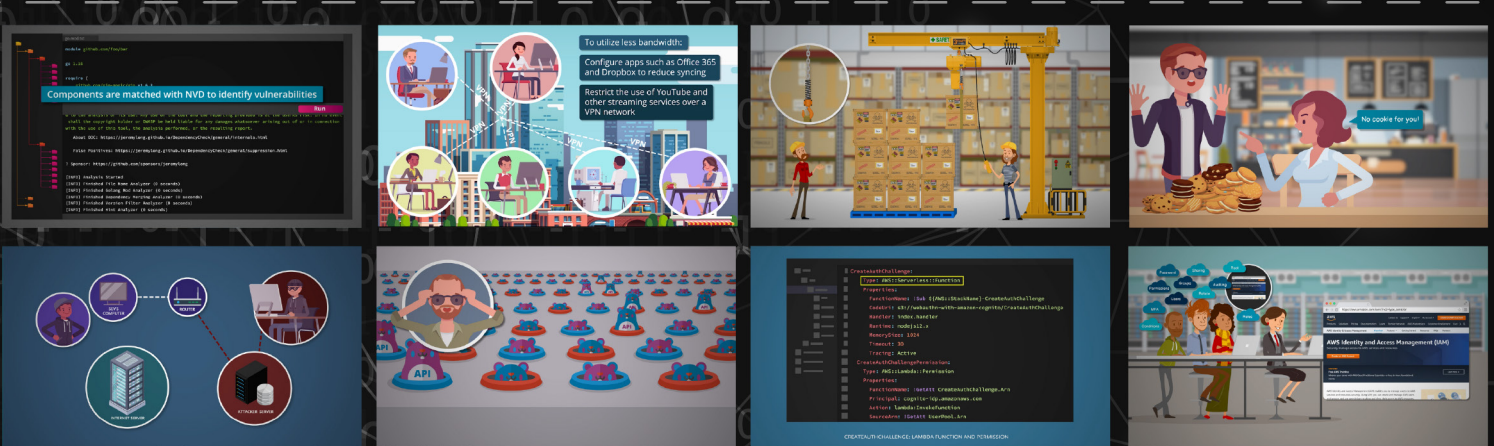
4 LEVELS

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	STAGE 2	STAGE 3
BUSINESS TEAM	<ul style="list-style-type: none"> App Sec Foundations Foundations Exam 	<ul style="list-style-type: none"> Integrating Security Throughout the SDLC Securing the Supply Chain 	<ul style="list-style-type: none"> Deriving Security Requirements within SDLC Planning Phase
SECURE MANAGER	<ul style="list-style-type: none"> App Sec Foundations for Managers Foundational Exam for Managers 	<ul style="list-style-type: none"> Integrating Security Throughout the SDLC Securing the Supply Chain 	<ul style="list-style-type: none"> Deriving Security Requirements within SDLC Planning Phase
SECURE DEVELOPER	<ul style="list-style-type: none"> App Sec Foundations for Developers Learning Path Foundational Exam for Developers 	<ul style="list-style-type: none"> Integrating Security Throughout the SDLC API Security Building Secure Apps Series 	<ul style="list-style-type: none"> Docker and App Container Security Infrastructure as Code Series
SECURE ARCHITECT	<ul style="list-style-type: none"> App Sec Foundations for Developers Learning Path Foundational Exam for Developers Integrating Security Throughout the SDLC 	<ul style="list-style-type: none"> API Security Threat Modeling Deriving Security Requirements within SDLC Planning Phase 	<ul style="list-style-type: none"> Building Secure Apps Series Docker and App Container Security Infrastructure as Code Series
SECURE TESTER	<ul style="list-style-type: none"> App Sec Foundations Foundational Exam 	<ul style="list-style-type: none"> Integrating Security Throughout the SDLC 	<ul style="list-style-type: none"> Securing the Supply Chain Building Secure Apps Series



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

APP SEC ESSENTIALS

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

Course	Duration
INTEGRATING SECURITY THROUGHOUT THE SDLC	1 hour
APP SEC FOUNDATIONS UPDATED	1 hour
APP SEC FOUNDATIONAL EXAM UPDATED 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 UPDATED EXAM	1.5 hours
APP SEC FOUNDATIONS FOR DEVELOPERS LEARNING PATH UPDATED	4 hours
INTRODUCTION TO APPLICATION SECURITY	10 minutes
INJECTION UPDATED	15 minutes
BROKEN AUTHENTICATION UPDATED	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	15 minutes
INSUFFICIENT LOGGING AND MONITORING	20 minutes
SERVER-SIDE REQUEST FORGERY NEW	15 minutes
SECURING THE SUPPLY CHAIN: MAINTAINING SOFTWARE AND DATA INTEGRITY NEW	30 minutes
MOBILE APP SEC FOUNDATIONS FOR DEVELOPERS	3 hours
API SECURITY	1.5 hours
FOUNDATIONAL EXAM FOR DEVELOPERS UPDATED EXAM	1 hour
OWASP TOP TEN AT A GLANCE NEW	15 minutes

OPERATIONS & COMPLIANCE

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

Course	Duration
DERIVING SECURITY REQUIREMENTS WITHIN THE SDLC PLANNING PHASE	30 minutes
THREAT MODELING	1 hour
DOCKER AND APPLICATION CONTAINER SECURITY	30 minutes

BUILDING SECURE APPLICATIONS SERIES

Learners will gain an understanding of how to apply foundational application security concepts across a variety of programming languages and technology stacks.

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 MOBILE APPLICATIONS	1 hour
BUILDING SECURE GO APPLICATIONS	1 hour

INFRASTRUCTURE AS CODE SERIES

Learners will gain an understanding of how to implement various security controls using Infrastructure as Code.

Course	Duration
INFRASTRUCTURE AS CODE: IDENTITY AND ACCESS MANAGEMENT IN AWS NEW	1 hour
INFRASTRUCTURE AS CODE: IDENTITY AND ACCESS MANAGEMENT IN GCP NEW	1 hour

UPCOMING COURSE ROAD-MAP

Be on the look out for the following courses coming soon!

Course	Duration
CROSS-SITE REQUEST FORGERY COMING SOON	15 minutes
OPEN REDIRECT COMING SOON	15 minutes
THREAT MODELING AND SECURE DESIGN COMING SOON	1 hour