KOENIG SOLUTIONS · COURSE OUTLINE

Web App Hacking: XSS, SQL Injection & Buffer Overflows

Learn to identify and exploit web application vulnerabilities such as XSS, SQL injection and buffer overflows across code, access control and configuration.

COURSE OVERVIEW

This course examines common weaknesses in web applications, starting with code quality, concurrency and unvalidated parameters. It covers access control, authentication and session management flaws, then moves into cross-site scripting, buffer overflows and injection flaws. Further topics address insecure storage, denial of service, insecure communication, insecure configuration and malicious execution, concluding with web services and AJAX security.

WHO THIS COURSE IS FOR

- **Web Developers**
- **Security Testers**
- **Penetration Testers**
- **Application Security Analysts**
- **Software Engineers**

LEARNING OBJECTIVES

- Identify code quality and concurrency issues in web applications
- Analyse unvalidated parameters for exploitation risks
- Assess access control, authentication and session management flaws
- Apply cross-site scripting (XSS) techniques against vulnerable applications
- Exploit buffer overflows and injection flaws in web applications
- Evaluate insecure storage and insecure communication practices
- Identify denial of service and insecure configuration weaknesses
- Analyse web services and AJAX security vulnerabilities

COURSE SYLLABUS

17 Topics

TOPICS

- General
- Code Quality
- Concurrency
- Unvalidated Parameters
- Access Control Flaws
- Authentication Flaws
- Session Management Flaws
- Cross-Site Scripting (XSS)
- Buffer Overflows
- Injection Flaws
- Insecure Storage
- Denial of Service (DOS)
- Insecure Communication
- Insecure Configuration
- Malicious Execution
- Web Services
- AJAX Security

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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