

E-COMMERCE SECURITY AUDIT: ASSESSES THE SECURITY CONTROLS IN PLACE FOR ONLINE TRANSACTION SYSTEMS

"Safeguard Digital Commerce — Audit, Strengthen, and Assure"

Schedule

Date	Venue	Fees (Face-to-Face)
17- 21 Aug 2026	London, UK	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

With the rapid rise of online transactions, e-commerce platforms have become prime targets for cyberattacks, data breaches, and fraud. This course empowers auditors, IT professionals, and security teams to assess, test, and improve the security controls that protect e-commerce systems, ensuring they comply with best practices and regulatory requirements.

Participants will explore key e-commerce risks, audit frameworks, payment security standards, and vulnerability testing methods that ensure secure digital transactions.

Objectives

By the end of this course, participants will be able to:

- Understand the landscape of e-commerce security risks and challenges.
- Evaluate the security architecture of online payment and transaction systems.
- Apply audit techniques to assess system vulnerabilities and controls.
- Verify compliance with industry standards such as PCI DSS.
- Recommend improvements to strengthen e-commerce security posture.

Why Attend

- Gain specialized knowledge on securing digital payment platforms.
- Learn how to detect, assess, and mitigate e-commerce threats.
- Improve your ability to audit online systems against global benchmarks.
- Help your organization minimize the risk of costly data breaches.
- Build confidence in handling sensitive customer data securely

Target Audience

This program is designed for:

- IT and cyber auditors.
- E-commerce managers and platform owners.
- Security and risk professionals.
- Payment system administrators.
- Compliance officers in digital finance.

Individual Benefits

Key competencies that will be developed include:

- E-commerce security risk assessment.
- Auditing online transaction and payment systems.
- Identifying and addressing web application vulnerabilities.
- Understanding encryption, tokenization, and secure coding practices.
- Enhancing compliance with standards like PCI DSS and GDPR.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced capability to audit and secure e-commerce operations.
- Improved resilience against cyberattacks targeting online systems.
- Stronger alignment with legal and regulatory requirements.
- Increased customer trust in digital platforms.
- Better coordination between audit, IT, and security teams.

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Lectures - Core principles of e-commerce security.
- Case Studies - High-profile breaches and lessons learned.
- Hands-on Exercises - Testing and auditing payment systems.
- Workshops - Developing audit checklists and frameworks.
- Interactive Sessions - Group discussions and peer learning.

Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: E-commerce Security Fundamentals

- Module 1: Overview of E-commerce Platforms and Technologies
- Module 2: Common Threats and Attack Vectors
- Module 3: Introduction to E-commerce Audit Frameworks

Day 2: Payment Security and Compliance

- Module 4: Understanding PCI DSS and Payment Security Standards
- Module 5: Encryption, Tokenization, and Secure Data Handling
- Module 6: Assessing Payment Gateways and Processors

Day 3: Web and Application Security Auditing

- Module 7: Auditing Web Applications for Vulnerabilities (OWASP Top 10)
- Module 8: Penetration Testing Basics for E-commerce Sites
- Module 9: Securing APIs and Mobile Transactions

Day 4: Managing Cyber Risks and Incidents

- Module 10: Risk Assessment and Threat Modeling
- Module 11: Incident Response Planning and Coordination
- Module 12: Reviewing Security Controls and Configurations

Day 5: Final Audit and Action Planning

- Module 13: Conducting a Full E-commerce Security Audit
- Module 14: Reporting Findings and Recommendations
- Module 15: Developing a Continuous Security Improvement Plan

Certification

Participants will receive a Certificate of Completion: E-commerce Security Audit Specialist, validating their skills in securing and auditing online transaction systems.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training

Interested in running this course for your team?

Please contact us:

TEL:

+601116373203

EMAIL:

info@mawaevents.net