MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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ENCRYPTION AUDIT: ENSURES THE PROPER IMPLEMENTATION AND USE OF ENCRYPTION FOR SENSITIVE DATA

"Safeguarding Sensitive Information Through Effective Encryption Practices"

Schedule

Date	Venue	Fees (Face-to-Face)
24 – 28 Aug 2026	London, UK	USD 3495 per delegate

Introduction

This 5-day course provides a comprehensive framework for auditing encryption systems, focusing on assessing the design, implementation, and management of encryption for sensitive data. Participants will explore encryption standards, risk assessment, compliance, and how to identify vulnerabilities that could compromise data security.

Objectives

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

- Understand encryption principles, types, and applications.
- Evaluate the effectiveness of encryption controls.
- Identify gaps and vulnerabilities in encryption implementations.
- Conduct encryption audits aligned with international standards.
- Recommend improvements for encryption management and governance.

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Why Attend

- Learn how to assess encryption systems critical to organizational data security.
- Gain hands-on experience with encryption audit tools and techniques.
- Improve compliance with regulatory and industry encryption requirements.
- Protect sensitive data against cyber threats and breaches.
- Strengthen your organization’s information security framework.

Target Audience

This program is designed for:

- IT and cybersecurity auditors.
- Information security managers.
- Risk and compliance officers.
- Data protection officers.
- IT governance and assurance professionals.

Individual Benefits

Key competencies that will be developed include:

- Encryption technologies and standards (AES, RSA, ECC, etc.).
- Encryption risk assessment and vulnerability analysis.
- Audit planning, execution, and reporting for encryption systems.
- Compliance with GDPR, HIPAA, PCI DSS, and other frameworks.
- Best practices for encryption lifecycle management.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced ability to safeguard sensitive information.
- Improved audit quality and risk management.
- Stronger alignment with regulatory and security standards.
- Reduced exposure to data breaches and reputational risks.
- A proactive approach to encryption governance.

Instructional Methodology

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

- Instructor-led Sessions – Encryption audit frameworks and processes.
- Case Studies – Lessons from real-world encryption failures.
- Hands-on Exercises – Performing encryption audits in simulated environments.
- Interactive Workshops – Group discussions on emerging trends.
- Action Planning – Crafting an organizational encryption audit strategy.

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Course Outline

Detailed 5-Day Course Outline

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

Day 1: Encryption Fundamentals

- Module 1: Principles of Cryptography
- Module 2: Encryption Standards and Protocols
- Module 3: Encryption in Practice (Data at Rest, In Transit, In Use)

Day 2: Encryption Risk and Vulnerabilities

- Module 1: Identifying Encryption Risks
- Module 2: Common Encryption Weaknesses
- Module 3: Threat Modeling and Risk Mitigation

Day 3: Auditing Encryption Systems

- Module 1: Encryption Audit Frameworks
- Module 2: Planning and Scoping Encryption Audits
- Module 3: Tools and Techniques for Audit Execution

Day 4: Compliance and Governance

- Module 1: Regulatory Requirements and Standards
- Module 2: Policies and Procedures for Encryption Management
- Module 3: Reporting Audit Findings and Recommendations

Day 5: Emerging Trends and Future Challenges

- Module 1: Post-Quantum Cryptography and Innovations
- Module 2: Cloud Encryption and Remote Environments
- Module 3: Developing an Encryption Audit Roadmap

Certification

Participants will receive a Certificate of Completion in Encryption Audit, recognizing their expertise in evaluating and strengthening encryption practices within their organization.

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**

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