

IT INFRASTRUCTURE AUDITING

"Ensure Security, Performance, and Compliance through Comprehensive IT Infrastructure Audits"

Schedule

Date	Venue	Fees (Face-to-Face)
20 - 24 Apr 2026	Dubai - UAE	USD 3495 per delegate

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

Introduction

Organizations today depend heavily on robust and secure IT infrastructure to support operations, safeguard data, and maintain business continuity. Auditing IT infrastructure is essential to identify vulnerabilities, optimize system performance, and ensure regulatory compliance.

This 5-day intensive course equips IT professionals, auditors, and risk managers with a structured approach to planning, conducting, and reporting IT infrastructure audits. Participants will explore control frameworks, cybersecurity considerations, and audit techniques across networks, servers, data centers, cloud systems, and endpoints.

Objectives

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

- Understand IT infrastructure components and audit relevance
- Identify key risks, threats, and compliance issues in IT environments
- Plan and execute risk-based IT infrastructure audits
- Evaluate internal controls related to networks, data centers, cloud, and endpoints
- Report findings and recommend corrective actions aligned with best practices

Why Attend

- Strengthen your organization's cybersecurity and operational resilience
- Gain skills to assess IT systems, controls, and policies
- Ensure compliance with global standards (ISO 27001, COBIT, NIST, etc.)
- Detect gaps in network security, access control, and disaster recovery planning
- Learn practical tools to plan and execute IT audits efficiently

Target Audience

This program is designed for:

- IT auditors and risk managers
- IT infrastructure and operations professionals
- Information security officers
- Compliance and governance managers
- Internal and external auditors involved in IT environments

Individual Benefits

Key competencies that will be developed include:

- Understanding of IT infrastructure layers and interdependencies
- Audit planning, scoping, and documentation skills
- Network, server, and data center risk evaluation
- Cloud infrastructure audit principles and cybersecurity controls
- Reporting and communication of audit findings

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced oversight of IT assets, systems, and risks
- Improved IT governance, compliance, and control maturity
- Reduced exposure to downtime, data breaches, and regulatory penalties
- Clear documentation of audit processes, findings, and improvements
- A more secure, efficient, and compliant IT infrastructure

Instructional Methodology

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

- Strategy Briefings - Infrastructure components, risks, and control frameworks
- Case Studies - Real-world IT audit scenarios and findings
- Workshops - Network audit planning, control testing, and evidence gathering
- Peer Exchange - Audit issues, standards interpretation, and corrective action challenges
- Tools - Risk assessment templates, audit checklists, and reporting formats

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: Foundations of IT Infrastructure Auditing

- Module 1: Overview of IT Infrastructure Components (07:30 – 09:30) • Servers, networks, endpoints, cloud, data centers
- Module 2: Risk-Based Audit Planning (09:45 – 11:15) • Scoping, prioritization, and risk registers
- Module 3: Workshop – Defining the Audit Universe (11:30 – 01:00) • Identify audit areas and risk exposures
- Module 4: Key Frameworks and Standards (02:00 – 03:30) • COBIT, ISO/IEC 27001, NIST CSF

Day 2: Network and Security Infrastructure

- Module 1: Network Architecture and Control Points (07:30 – 09:30) • Routers, firewalls, VPNs, and intrusion detection
- Module 2: Network Audit Techniques (09:45 – 11:15) • Access control, change management, monitoring
- Module 3: Workshop – Firewall and Access Log Review (11:30 – 01:00) • Identify unauthorized or risky network activity
- Module 4: Cybersecurity Assessment (02:00 – 03:30) • Common threats, vulnerabilities, and mitigations

Day 3: Data Centers and Physical Infrastructure

- Module 1: Data Center Standards and Controls (07:30 – 09:30) • Physical security, power, HVAC, backup
- Module 2: Server and Storage Infrastructure (09:45 – 11:15) • Configuration, patching, and access
- Module 3: Workshop – Physical Security Audit Checklist (11:30 – 01:00) • Evaluate a simulated data center
- Module 4: Backup and Disaster Recovery Controls (02:00 – 03:30) • BCP testing, data integrity, and failover systems

Day 4: Cloud and Endpoint Auditing

- Module 1: Cloud Environments and Shared Responsibility (07:30 – 09:30) • SaaS, IaaS, PaaS, vendor management
- Module 2: Cloud Security and Compliance Risks (09:45 – 11:15) • Encryption, access, and third-party risks
- Module 3: Workshop – Cloud Audit Evidence Collection (11:30 – 01:00) • What to request and validate
- Module 4: Endpoint Security Controls (02:00 – 03:30) • Laptops, mobile, antivirus, remote access

Day 5: Reporting and Continuous Audit Practices

- Module 1: Audit Evidence and Documentation (07:30 – 09:30) • Testing methods, working papers, audit trails
- Module 2: Communicating Findings and Recommendations (09:45 – 11:15) • Risk grading, stakeholder engagement, audit reports
- Module 3: Workshop – Writing an IT Infrastructure Audit Report (11:30 – 01:00) • Develop actionable, risk-ranked recommendations
- Module 4: Audit Follow-up and Continuous Improvement (02:00 – 03:30) • Monitoring remediation and evolving controls

Certification

Participants will receive a Certificate of Completion in IT Infrastructure Auditing, validating their expertise in planning, conducting, and reporting IT audits aligned with global standards, ensuring secure and compliant IT environments.

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

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.