



*Training Course:
Advanced IT Architecture and Infrastructure
Consulting*

*13 - 17 June 2027
Cairo (Egypt)*

Training Course: Advanced IT Architecture and Infrastructure Consulting

Training Course code: SC235549 From: 13 - 17 June 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

This program is designed to provide participants with an in-depth understanding of advanced IT architecture and infrastructure consulting. It covers key areas such as system design, cloud integration, cybersecurity, and emerging technologies. Participants will learn to evaluate, design, and implement complex IT infrastructure solutions that align with organizational objectives and provide scalable, secure, and efficient IT environments.

Objectives

- Equip participants with advanced skills to design and implement IT infrastructure solutions.
- Develop strategic consulting expertise to guide organizations in adopting future-ready IT architecture.
- Foster an understanding of cloud technologies and their integration into IT infrastructure.
- Explore IT security frameworks to ensure robust and secure infrastructure solutions.
- Enhance the ability to align IT strategies with business goals through effective IT consulting practices.

Target Audience

- Senior IT Consultants
- IT Infrastructure Managers
- Solutions Architects
- Systems Engineers
- IT Project Managers
- Professionals aiming to enhance their skills in IT architecture and consulting.

Outline

Day 1

IT Infrastructure Design & Strategy

- Overview of IT Architecture Frameworks

- Key architectural frameworks TOGAF, Zachman, etc.
- Importance of IT architecture in organizational strategy
- Understanding the role of IT in business transformation
- Strategic IT Infrastructure Planning
 - Defining the roadmap for infrastructure solutions
 - Capacity planning and scalability considerations
 - Best practices in IT infrastructure management
- Case Studies and Practical Applications
 - Case studies of successful IT architecture implementations

Day 2

Advanced Cloud Integration

- Cloud Architectures & Deployment Models
 - Cloud service models IaaS, PaaS, SaaS
 - Hybrid and multi-cloud architectures
 - Private vs public cloud infrastructure
- Cloud Migration Strategies
 - Phases of cloud migration
 - Tools for cloud integration and management
 - Addressing common challenges in cloud migration
- Best Practices for Cloud Security
 - Securing cloud infrastructure
 - Data protection and governance in the cloud
 - Compliance and regulatory considerations

Day 3

Infrastructure Security and Risk Management

- IT Security Architecture
 - Building a secure IT infrastructure
 - Incorporating security into system design
 - Defense-in-depth strategy
- Risk Management for IT Infrastructure
 - Identifying infrastructure vulnerabilities
 - Threat modeling and risk assessment
 - Disaster recovery and business continuity planning
- Implementing Zero Trust Architecture
 - Principles of zero trust
 - Key technologies IAM, micro-segmentation, etc.
 - Case studies of zero trust in action

Day 4

Emerging Technologies and IT Infrastructure

- Trends in IT Architecture & Infrastructure
 - Artificial Intelligence and Machine Learning in infrastructure design
 - Edge computing and its impact on IT architecture
 - Role of automation and orchestration in modern IT environments
- Infrastructure for IoT and 5G
 - Designing infrastructure to support IoT ecosystems
 - Implementing 5G-ready infrastructure solutions
 - Integration challenges and considerations
- Future-proofing IT Infrastructure
 - Creating flexible and adaptable IT environments
 - Leveraging DevOps and Agile in infrastructure design
 - Preparing for the next generation of IT challenges

Day 5

Consulting Practices and Strategic IT Alignment

- Consulting Methodologies for IT Infrastructure Projects
 - Best practices for IT consulting engagements
 - Managing client expectations and delivering value
 - Tools and frameworks for effective consulting
- Aligning IT Infrastructure with Business Strategy
 - Bridging the gap between business objectives and IT solutions
 - Designing IT strategies that drive business growth
 - Performance metrics and KPIs for IT infrastructure projects
- Capstone Project & Final Assessment
 - Practical application of consulting and architecture skills
 - Group presentations on IT infrastructure proposals
 - Feedback and evaluation

Registration form on the Training Course: Advanced IT Architecture and Infrastructure Consulting

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