

Advanced Course in Advanced Solutions Architect

Barcelona (Spain)

3 - 7 February 2025

UK Training

PARTNER



Advanced Course in Advanced Solutions Architect

Code: GC28 From: 3 - 7 February 2025 City: Barcelona (Spain) Fees: 5100 Pound

Introduction

This advanced course is designed for professionals aiming to excel in the complexities of solutions architecture, with a strong focus on telecommunications systems. Participants will dive into the principles of designing, implementing, and managing complex architectures while addressing critical aspects such as vendor management, budgeting, and cybersecurity.

Course Objectives

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

- Apply advanced principles of solutions architecture in telecommunications.
- Design scalable, secure, and efficient solutions tailored to telecom environments.
- Integrate cybersecurity strategies into architectural designs.
- Effectively manage vendor relationships and project budgets.
- Utilize engineering principles to ensure seamless system integration.

Course Outlines

Day 1: Foundations of Advanced Solutions Architecture

- Core Concepts in Enterprise Solutions Architecture.
- Aligning Architecture with Business and Telecom Goals.
- Advanced Design Patterns and Principles for Telecom.
- Architectural Frameworks e.g., TOGAF, Zachman.
- Tools for Architectural Modeling and Analysis.

Day 2: Designing Scalable and Secure Architectures

- Scalability Strategies for Modern Architectures.
- Security by Design: Best Practices.
- High Availability and Fault-Tolerant System Design.
- Modernizing Legacy Systems in Telecom.
- Case Study: Building Scalable Architecture.

Day 3: Cloud and Hybrid Architectures in Telecommunications

- Architecting Multi-Cloud and Hybrid Telecom Environments.
- Cloud-Native Technologies: Microservices and Serverless Models.
- Integrating Cloud and On-Premises Telecom Systems.



- Cybersecurity Strategies for Cloud and Hybrid Architectures.
- Hands-On Exercise: Designing a Telecom Cloud Architecture.

Day 4: Vendor Management, Budgeting, and System Integration

- Best Practices for Vendor Management in Telecom Projects.
- Budget Planning and Cost Optimization Strategies.
- API Integration and Real-Time Data Management Across Systems.
- Bridging Engineering Practices with Architectural Design.
- Workshop: Developing a Cost-Efficient Vendor and System Integration Plan.

Day 5: Emerging Trends and Governance in Telecom

- AI and Machine Learning in Telecom Architecture.
- Edge Computing and IoT Applications in Telecommunications.
- Governance and Compliance in Telecom Solution Design.
- Managing the Lifecycle of Telecom Solutions Development.
- Capstone Project: Presentation and Q&A Session.

Why Attend This Course: Wins & Losses

- Gain in-depth knowledge of advanced solutions architecture principles in telecommunications.
- Develop the ability to design secure, scalable, and integrated solutions tailored to telecom needs.
- Enhance skills in managing vendor relationships and project budgets effectively.
- Prepare for emerging trends such as AI, machine learning, and IoT in telecom architectures.

Conclusion

This course offers a unique opportunity to gain advanced expertise in solutions architecture with a focus on telecommunications systems. By combining theoretical knowledge with practical application, this course will empower you to lead advanced engineering projects in the telecom industry, giving you a competitive edge in this fast-paced field.

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BLACKBIRD
FOR TRAINING

 International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

 +44 7401 1773 35
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

