

Cloud solutions

Barcelona (Spain)

3 - 7 March 2025

UK Traininig

PARTNER



Cloud solutions

Code: IT28 From: 3 - 7 March 2025 City: Barcelona (Spain) Fees: 4700 Pound

Introduction

"Cloud solutions" refer to a range of cloud-based services and technologies that enable businesses and individuals to access and utilize computing resources and applications over the internet. These solutions leverage cloud computing, which is a model for delivering various computing services, including servers, storage, databases, networking, software, analytics, and more, over the internet.

Course Objectives

- Understanding Cloud Concepts
- Technical Proficiency
- Security Knowledge
- Architectural Insights
- Cloud Application Development
- DevOps and CI/CD Proficiency
- Effective Resource Management
- Data Management Skills
- Exploring Advanced Cloud Services
- Migration Strategies
- Risk Assessment and Compliance
- Cost Management
- Disaster Recovery and Business Continuity
- Real-World Applications
- Hands-On Experience

Course Outlines

Day 1

Fundamentals of Cloud Computing

- Understanding the cloud concept
- Types of cloud services IaaS, PaaS, SaaS
- Benefits and challenges of cloud solutions
- Cloud deployment models public, private, hybrid



- Key cloud providers and their offerings

Day 2

Cloud Infrastructure and Architecture

- Virtualization and containerization
- Network and storage in the cloud
- Security in cloud computing
- Scalability and elasticity
- Hands-on practice with cloud services

Day 3

Cloud Application Development

- Building and deploying cloud-native applications
- Microservices and serverless architecture
- DevOps and continuous integration/continuous deployment CI/CD
- Managing data in the cloud
- Practical exercises on app development

Day 4

Cloud Services and Solutions

- Databases in the cloud
- AI and machine learning services
- Internet of Things IoT in the cloud
- Cloud monitoring and management tools
- Case studies and real-world applications

Day 5

Cloud Migration and Best Practices

- Strategies for migrating to the cloud
- Risk assessment and compliance
- Cost management in the cloud
- Disaster recovery and business continuity
- Final project and course review.



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