

Azure Database Administration

Milan (Italy)

28 April - 2025 May 2025

UK Traininig

PARTNER



Azure Database Administration

Code: IT28 From: 28 April - 2025 May 2025 City: Milan (Italy) Fees: 4700 Pound

Introduction

This intensive course is designed to provide advanced knowledge and skills in Azure Database Administration. Participants will delve into the latest technologies, tools, and best practices for managing and optimizing databases in the Azure cloud environment. Through a combination of lectures, hands-on exercises, and real-world scenarios, attendees will gain the expertise needed to effectively administer Azure databases, ensuring high performance, availability, and security.

Objectives

- Gain an in-depth understanding of Azure database services and their features.
- Learn advanced techniques for designing and implementing database solutions on Azure.
- Develop proficiency in managing and optimizing Azure SQL databases for performance and scalability.
- Explore strategies for ensuring data security, compliance, and disaster recovery in Azure.
- Master automation and scripting techniques for streamlining database administration tasks.
- Acquire skills for monitoring, troubleshooting, and tuning Azure databases to meet business requirements.
- Understand best practices for migration, replication, and hybrid scenarios in Azure database environments.

Course Outline

Day 1

Introduction to Azure Database Services

- Overview of Azure database offerings
- Comparing Azure SQL Database, Azure SQL Managed Instance, and other database services
- Planning and designing database solutions on Azure
- Implementing high availability and disaster recovery strategies

Day 2

Advanced Azure SQL Database Administration

- Optimizing database performance and scalability
- Managing security and access controls in Azure SQL Database
- Implementing advanced data protection features
- Monitoring and troubleshooting Azure SQL Database



Day 3

Automation and Scripting in Azure Database Administration

- Introduction to Azure Automation and PowerShell
- Automating database provisioning and configuration tasks
- Scripting common administration tasks for efficiency
- Managing Azure resources programmatically

Day 4

Data Management and Integration in Azure

- Implementing data storage and backup solutions in Azure
- Data migration strategies and tools for Azure databases
- Replication and synchronization techniques for distributed databases
- Hybrid cloud scenarios: integrating on-premises and Azure databases

Day 5

Advanced Topics in Azure Database Administration

- Advanced performance tuning and optimization techniques
- Implementing advanced security features in Azure databases
- Scaling and managing large-scale database workloads in Azure
- Best practices for cost optimization and resource management



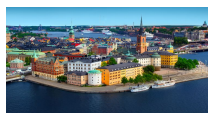
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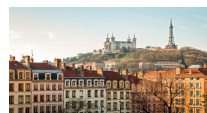
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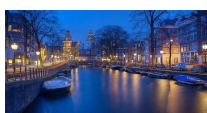
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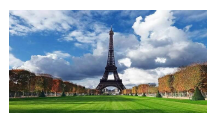
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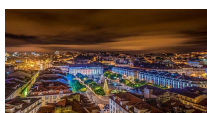
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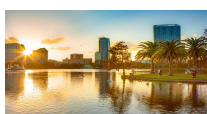


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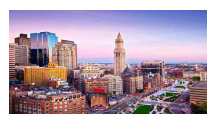
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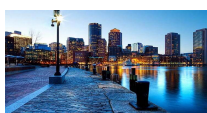
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