



*Training Course:
Microsoft AZ-305 - Azure Solutions Architect
Expert (Exam Prep)*

*20 - 24 October 2025
Barcelona (Spain)
Grupotel Gran Via 678*

Training Course: Microsoft AZ-305 - Azure Solutions Architect Expert (Exam Prep)

Training Course code: IT235844 From: 20 - 24 October 2025 Venue: Barcelona (Spain) - Grupotel Gran Via 678 Training Course Fees: 6000 € Euro

Introduction:

This 5-day training program is designed to provide participants with a comprehensive understanding of Microsoft Azure and equip them with the practical skills required to design and implement Azure solutions. Participants will focus on key Azure services, including virtual machines, storage, identity management, app services, and security, and learn how to architect solutions that meet business requirements.

Objectives:

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

- Understand fundamental concepts of cloud computing and Microsoft Azure.
- Design and deploy Azure virtual machines, configure networking, and manage storage.
- Implement and manage Azure identity and access management.
- Design and deploy Azure app services and containers.
- Secure and monitor Azure resources and troubleshoot issues effectively.

Target Audience:

This program is suitable for:

- IT professionals aspiring to become Azure solutions architects.
- System administrators and developers working with Azure.
- Individuals preparing for the Microsoft AZ-305 certification exam.

Outlines:

Day 1:

Introduction to Azure and Cloud Computing + Virtual Machines & Networking

Introduction to Cloud Computing and Microsoft Azure

- Overview of cloud computing and its benefits

- Introduction to Microsoft Azure and its key features
- Understanding Azure subscriptions and management groups
- Exploring the Azure portal and Resource Manager
- Introduction to Azure PowerShell and CLI

Azure Virtual Machines and Networking

- Creating and managing Azure virtual machines
- Understanding virtual machine sizes and types
- Configuring virtual machine availability sets and scale sets
- Introduction to Virtual Networks VNet and Subnets
- Exploring Azure networking services: Load Balancer, Application Gateway

Day 2:

Azure Storage & Identity Management

Azure Storage and Data Services

- Introduction to Azure storage services: Blobs, Files, Tables, Queues
- Managing Azure Blob Storage and File Storage
- Implementing data backup and recovery strategies in Azure
- Integrating Azure storage services into solutions

Azure Identity and Access Management

- Introduction to Azure Active Directory AD
- Configuring Azure AD tenants and directories
- Managing users, groups, and roles in Azure AD
- Implementing multi-factor authentication and conditional access
- Securing resources with Azure Role-Based Access Control RBAC

Day 3:

Azure App Services and Containers

Azure App Services

- Introduction to Azure App Services and components
- Deploying and managing web apps in Azure
- Configuring App Service Plans and scaling options
- Implementing Azure Functions for serverless applications
- Troubleshooting and monitoring Azure App Services

Azure Containers and Serverless Computing

- Introduction to containerization in Azure
- Deploying containers using Azure Container Instances and Azure Kubernetes Service AKS
- Exploring Azure Functions and Logic Apps for serverless computing
- Scaling and managing serverless applications in Azure

Day 4:

Azure Security, Compliance, and Monitoring

Azure Security and Compliance

- Securing Azure resources using Network Security Groups and Azure Firewall
- Configuring Azure Key Vault for secrets management
- Implementing Azure Security Center and Azure Policy
- Ensuring compliance and governance in Azure

Azure Monitoring and Diagnostics

- Implementing Azure Monitor for alerts and metrics
- Using Azure Application Insights for app performance monitoring
- Analyzing and troubleshooting solutions with Azure Monitor logs
- Implementing Log Analytics for centralized log management

Day 5:

Solutions Design, Architecture, and Exam Preparation

Azure Solutions Design and Architecture

- Designing solutions for availability, scalability, and resilience
- Planning and implementing data migration to Azure
- Designing hybrid cloud solutions using Azure Arc and Azure Stack
- Evaluating and selecting appropriate Azure services for different scenarios

Review and Exam Preparation

- Reviewing key concepts covered throughout the training
- Discussing best practices and real-world scenarios
- Exam preparation tips, strategies, and practice questions
- Final Q&A session

Registration form on the Training Course: Microsoft AZ-305 - Azure Solutions Architect Expert (Exam Prep)

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