



Information Technology

Azure AZ-305 Designing Microsoft Azure Infrastructure Solutions

Course Introduction

This comprehensive five-day training program is designed for IT professionals and cloud architects who want to deepen their expertise in designing secure, scalable, and resilient solutions on Microsoft Azure. The course aligns fully with the Microsoft AZ-305 exam objectives and provides a practical and strategic approach to architecting modern cloud solutions.

Participants will explore advanced Azure services and frameworks, including identity and governance, compute, data storage, networking, business continuity, and migration planning. Through hands-on labs, real-world case scenarios, and best practice design exercises, attendees will learn how to translate business requirements into reliable, enterprise-grade cloud architectures.

By the end of the course, participants will be equipped with the knowledge and confidence to take the Microsoft AZ-305 exam and advance toward the Microsoft Certified: Azure Solutions Architect Expert certification.

Target Audience

- Azure Solutions Architects and Technical Leads
- Cloud Infrastructure Engineers and DevOps Specialists
- IT Professionals preparing for the Microsoft AZ-305 certification
- Experienced Azure administrators and developers advancing into architecture roles
- Consultants and technical project managers overseeing cloud transformation projects

Learning Objectives

- Design identity, access, and governance strategies for enterprise cloud environments

- Develop scalable and secure compute solutions using Azure services
- Design hybrid networking solutions and secure connectivity architectures
- Plan for data storage, integration, and protection across multiple workloads
- Create high availability, disaster recovery, and business continuity designs
- Apply the Microsoft Azure Well-Architected Framework to all solution designs
- Prepare effectively for the AZ-305 exam through guided practice and mock questions

Course Outline

• DAY 01

Designing Identity, Security, and Governance

- Implementing identity and access strategies (Microsoft Entra ID, RBAC, Conditional Access)
- Designing governance solutions (Management Groups, Azure Policy, Blueprints)
- Planning logging and monitoring strategies (Azure Monitor, Log Analytics, Workbooks)
- Securing Azure resources with Key Vault and Defender for Cloud

• Day 02

Designing Data Storage Solutions

- Designing relational and non-relational data stores (SQL Database, Cosmos DB, Blob Storage)
- Choosing appropriate data storage based on performance and scalability needs
- Implementing encryption, backup, and geo-redundancy strategies
- Designing data integration and analytics pipelines (Azure Data Factory, Synapse Analytics)

• Day 03

Designing Compute and Application Architectures

- Designing compute solutions using VMs, Azure App Services, Containers, and Functions
- Planning for microservices, APIs, messaging (Service Bus, Event Grid, Event Hub)

- Integrating DevOps, CI/CD pipelines, and configuration management
- Ensuring application scalability, performance, and reliability

• Day 04

Designing Network, Continuity, and Hybrid Solutions

- Designing secure network architectures (VNets, NSGs, Azure Firewall, Bastion, ExpressRoute)
- Designing hybrid and multi-cloud network strategies
- Planning for high availability, failover, and disaster recovery
- Implementing backup and restore with Azure Backup and Site Recovery

• Day 05

Designing Migrations, Governance, and Exam Preparation

- Designing migration strategies with Azure Migrate and the Cloud Adoption Framework
- Assessing readiness and planning phased migrations
- Applying the Microsoft Azure Well-Architected Framework across all workloads
- Final exam preparation: practice questions, design case studies, exam readiness checklist

Confirmed Sessions

| FROM | TO | DURATION | FEES | LOCATION |
|---------------|---------------|----------|------------|-------------|
| Aug. 25, 2025 | Aug. 29, 2025 | 5 days | 4250.00 \$ | UAE - Dubai |
| Nov. 17, 2025 | Nov. 21, 2025 | 5 days | 4250.00 \$ | UAE - Dubai |