MICROSOFT AZURE ARCHITECT DESIGN CERTIFICATION TRAINING (AZ-305)

eMexo Technologies
LEARN, THINK, INNOVATE

Overview

Let **eMexo Technologies**, the best Microsoft Azure training institute in Electronic City, Bangalore, take you from Azure fundamentals to advanced solution architecture and help you become an expert in real-time Azure design projects.

This course is specifically designed to help you master **Microsoft Azure Solutions Architect** concepts as required for the **AZ-305 certification**. You will learn how to design identity, governance, compute, networking, storage, application architecture, and business continuity solutions. All topics are taught with real-world hands-on examples.

Our trainers are industry experts with years of experience in solution architecture. If you're looking for **Microsoft Azure AZ-305 Certification Training in Bangalore**, eMexo is your best choice.

Join our **free demo class**, meet our expert trainer, and then decide.

Training Features

- ✓ **Real-life Case Studies**:

     Get hands-on experience by designing real-world architectures.

- ✓ **Assignments**:

     Each module includes practical assignments that reinforce learning.

- ✓ **Interview Preparation**:

     Experienced trainers conduct mock interviews and share industry interview questions.

- ✓ **100% Job-Oriented Training**:

     We focus on building your job-ready Azure solution architecture skills.

- ✓ **Expert Trainers**:

     Certified and experienced solution architects as instructors.

- ✓ **Free Demo Class Available**:

     Attend the first session at no cost.

- ✓ **Certification Guidance**:

     Complete support for clearing the AZ-305 certification exam.

Course Curriculum

Unit 1: Introduction to Azure Solution Architecture

Objective: Understand the role of an Azure solution architect and Azure's architectural components.

➢ Role and responsibilities of an Azure Solutions Architect
➢ Azure global infrastructure and regions
➢ Azure Well-Architected Framework
➢ Microsoft Cloud Adoption Framework
➢ Azure architecture patterns and best practices
➢ Azure resource organization (RGs, subscriptions, MGs)

➢ **Hands-On:** Create and organize resources following architectural best practices

Unit 2: Design Identity, Governance, and Monitoring

Objective: Design strategies for identity, access, governance, and monitoring.

➢ Azure Active Directory, B2B & B2C
➢ Conditional Access and MFA
➢ RBAC and resource-level permissions
➢ Azure Policy, Blueprints, and Tags
➢ Monitoring with Azure Monitor and Log Analytics
➢ Design alerting and diagnostics

➢ **Hands-On:** Configure RBAC, policies, diagnostic settings, and alerts

Unit 3: Design Data Storage Solutions

Objective: Plan and design Azure data storage based on business requirements.

➢ Structured vs unstructured data
➢ Azure SQL, Cosmos DB, Blob, Queue, Table Storage
➢ Storage performance and tiering
➢ Data replication, availability, and redundancy
➢ Backup and recovery strategies

➢ **Hands-On:** Design and implement secure, redundant storage

Unit 4: Design Business Continuity Solutions

Objective: Design solutions with high availability and disaster recovery.

➢ Design for high availability (Zones, Sets)
➢ Azure Backup and Azure Site Recovery
➢ RTO and RPO planning
➢ Load balancing and fault tolerance
➢ Geo-redundant design and failover

➢ **Hands-On:** Implement backup, ASR, and availability configurations

---

Unit 5: Design Infrastructure Solutions

Objective: Build infrastructure using compute, networking, and hybrid technologies.

➢ Virtual Machines and Scale Sets
➢ Azure App Services and Containers
➢ Azure Functions and Logic Apps
➢ Virtual Networks, Peering, DNS, NSGs
➢ VPN Gateway, ExpressRoute
➢ Hybrid networking design

➢ **Hands-On:** Deploy a hybrid, scalable infrastructure solution

---

Unit 6: Design Application Architecture

Objective: Build application architecture that scales and integrates seamlessly.

➢ Microservices, serverless, event-driven design
➢ Azure Kubernetes Service (AKS)
➢ Azure Event Grid, Event Hubs, and Service Bus
➢ Front Door and API Management
➢ Messaging and integration patterns

➢ **Hands-On:** Create a serverless event-driven microservices architecture

Unit 7: Design Security and Compliance

Objective: Build secure, compliant solutions following Azure security best practices.

➢ Network Security Groups, Firewalls, Private Endpoints
➢ Azure Key Vault
➢ Managed Identities
➢ Encryption – at rest and in transit
➢ Azure Security Center, Secure Score
➢ Regulatory compliance and audit logging

➢ **Hands-On:** Configure Key Vault, NSGs, secure score, and encryption

---

Unit 8: Projects

✓ Design and Deploy a Highly Available Web App Architecture
✓ Design a Secure, Scalable Serverless Architecture
✓ Build a Business Continuity Plan using Azure Backup & ASR
✓ Implement RBAC, Policies, and Monitor Governance in a Cloud Project

---

FAQs

Q1. What is the course duration?
Usually 30–35 hours, depending on topic depth and student pace.

Q2. Will I get a certificate?
Yes. You'll receive a **Training Completion Certificate from eMexo Technologies**.

Q3. What if I miss a class?
The session will be covered again in a repeat or 1:1 format.

Q4. Do you offer fast-track training?
Yes. We have fast-track plans for working professionals.

Q5. What is the batch size?
Max 5 students per batch. 1:1 training also available.

Q6. Do you offer placement assistance?
Yes, we assist with mock interviews, resume building, and job references.

Certification

After completing this training, you'll be fully prepared to clear the **Microsoft Certified: Azure Solutions Architect Expert** certification by passing the **AZ-305 exam**. Our trainers provide:

➤ Exam-oriented content
➤ Practice questions and mock tests
➤ Certification project guidance
➤ Personalized readiness assessment