



*LEARN, THINK, INNOVATE*



## Overview

Let eMexo Technologies **Best Microsoft AZURE Training in Electronic City Bangalore** take you from the fundamentals of AZURE to Advance AZURE and make you an expert in developing real-time AZURE services. Here are the major topics we cover under this **Why Cloud, Introduction to Microsoft Azure Solution Architect Training and Its Services, Introduction to Microsoft Azure Storage, Managing Microsoft Azure Subscription, Azure Resource Management, Azure Virtual Machines & Networking, Azure VMSS & Availability Zones, Managing Azure Virtual Machines, Azure Virtual machine backups, Azure App Services & Its Features, Advanced Azure Hybrid Connectivity and Site Recovery, Azure Storage Solution and Design Patterns, Azure Kubernetes Service, Azure Active Directory and Role Based Access Control, Azure Messaging Service (Events, Hubs, Queue and Bus), Azure Monitoring and Insights Service, Design Identity & Security & Design Storage, Design Azure Migration, Design Monitoring, Design Business Continuity.** Every topic will be covered in the most practical way with examples for our Microsoft Azure Course in Electronic City Bangalore.

All the topics will be covered with Practical and hands-on training. Our trainers have industry experience with live project experience in cutting-edge technologies they teach. We hire only the Best Azure Cloud industry specialists as trainers for our **Microsoft AZURE Certification Course in Electronic City Bangalore.**

If you are looking for **Microsoft AZURE Certification Training in Electronic City Bangalore**, eMexo Technologies is the **Best Microsoft AZURE Training Institute in Electronic City Bangalore.** Come over to our training institute for a free demo class. Let our trainer give you a demo on AZURE and only then do you take the decision to enroll in the training program.

## Training Features

### Real-life Case Studies

Do a real-life case study to understand the usage in real-world scenarios.

### Assignments

Each class will be followed by a practical assignment which can be completed before the next class.

### Preparation for interview

Our trainers are professionals working in multinational corporations. They are experts in their field and they know exactly what the interviewer will look for in the candidate. Experienced trainers not only share interview questions but also conduct mock interviews to help prepare for the actual interview.

## Key Features

eMexo Technologies offers the **Best Microsoft Azure Training Course in Electronic City Bangalore** with the TOP industry expert trainers.

Here are the key features.

- ★ Free Demo Class Available
- ★ Practical Approach
- ★ Expert & Certified Trainers
- ★ 100% Job Oriented Training
- ★ Real World use cases and Scenarios
- ★ Completed 500+ Batches
- ★ Certification Guidance

## Unit 1: Why Cloud?

- Why the Cloud and What is Cloud Computing?
- Identify features and benefits of cloud computing
- Different types of cloud computing deployment models
- Public cloud, private cloud, hybrid cloud
- Virtualization - a must in the cloud
- Virtualization in the cloud model
- different types of virtualization
- Advantages of hypervisors
- Different types of services in cloud computing and their differences
- IaaS, PaaS, SaaS
- The Importance of Scaling in Cloud Computing

- Different types of scaling and their applications
- Problems Solved by the Cloud and Applications
- Cost models used in cloud computing
- Hands-On

## **Unit 2: Introduction to Microsoft Azure Solution Architect Training and Its Services**

- Azure Subscriptions
- Azure Resources
- Azure Free Tier Account
- Azure Resource Manager
- Azure Resource Manager Template
- Azure Storage
- Types of Azure Storage
- Hands-On

## **Unit 3: Introduction to Microsoft Azure Storage**

- Azure Table Storage
- Azure Queue Storage
- Azure Storage Explorer
- Azure Shared Access Signature (SAS)
- Azure Databox

- Azure Storage Replication
- Data Replication Options
- Azure Import/Export Service
- Hands-On

#### **Unit 4: Managing Microsoft Azure Subscription**

- Create an account subscription
- Cost center and tagging
- Azure Policy
- Hands-On

#### **Unit 5: Azure Resource Management**

- Manage and analyze Azure resources
- Diagnostics and basic environment
- Create alerts and metrics
- Manage costs
- Log analysis
- Hands-On

#### **Unit 6: Azure Virtual Machines and Networking**

- Azure Resource Manager Virtual Machine
- Virtual Machines in ARM Template

- Overview of Azure Virtual Machine
- Azure Managed Disks
- Azure Blob Storage
- Networking in Azure
- Subnets, NIC, NSG, IP Addresses, DNS
- Hands-On

## **Unit 7: Azure VMSS and Availability Zones**

- Resiliency
- Azure Availability Sets
- Azure Availability Zone
- Autoscaling
- Virtual Machine Scale Set
- Fault Domain
- Update Domain
- Load Balancer
- Application Gateway
- Azure Disk Encryption
- Hands-On

## **Unit 8: Managing Azure Virtual Machines**

- Adding Disks to Virtual Machines
- Add a Network Interface Card to a Virtual Machine
- Another VM size change
- Redeploying virtual machines
- Hands-On

## **Unit 9: Azure Virtual machine backups**

- About backing up virtual machines
- Virtual machine backup jobs and restores
- Practical Concepts of Virtual Machines
- Hands-On

## **Unit 10: Azure App Services and Its Features**

- Azure App Service Web Apps
- App Service Security
- Serverless Computing Concepts
- Function Apps
- Azure Event Grid
- Azure Service Bus
- Azure App Service Logic App

- Using Shell Commands to create Web App
- Background Tasks
- Swagger tool
- Hands-On

## **Unit 11: Advanced Azure Hybrid Connectivity and Site Recovery**

- Hybrid Connectivity
- VNet S2S VPN
- VNet Peering
- Service Chaining
- Azure VPN Gateway
- Policy Based Gateway
- Route Based Gateway
- Swagger tool
- Gateway Connections
- Express Route
- VNet Routing
- User Defined Route
- Border Gateway Protocol
- Hands-On



## **Unit 12: Azure Storage Solution and Design Patterns**

- Azure Architecture Center
- Cloud design patterns
- Cache-aside pattern
- Sharding Pattern
- Azure SQL DB
- Azure Elastic Pool
- Azure Data Lakes
- Azure Data Factory
- Azure Cosmos DB
- Hands-On

## **Unit 13: Azure Kubernetes Service**

- Application Environment Components
- Docker
- DockerFile
- Docker Image
- Azure Container Registry
- Azure Container Instance
- Orchestration

- Azure Kubernetes Service
- Diagnostics Logs
- Hands-On

## **Unit 14: Azure Active Directory and Role Based Access Control**

- Access Control
- Role Based Access Control
- Authentication in applications (certificates, Azure AD, Azure AD Connect, token-based)
- Multi-Factor Authentication (MFA)
- Claims-based authorization
- Role-based access control (RBAC) authorization
- End-to-end encryption
- Azure confidential computing
- SSL and TLS communications
- Azure Key Vault
- Configure Fraud alerts
- Bypass option, trusted IPs
- Managed Service Identity
- Service Principal authentication
- Hands-On

## **Unit 15: Azure Messaging Service (Events, Hubs, Queue and Bus)**

- Azure Messaging Service
- Azure Service Bus
- Azure Events Hub
- Azure Events Grid
- Azure Notifications Hub
- Auto Scale Ruling in Azure
- Transient Fault Handling
- Hands-On

## **Unit 16: Azure Monitoring and Insights Service**

- Azure Monitoring
- Azure Analytics
- Azure Alerts
- Azure Resource Metrics
- Azure Activity Log
- Service Health
- Azure Log Analytics
- Azure App Insights
- Hands-On

## **Unit 17: Design Identity & Security & Design Storage**

- Authorisation and Authentication
- Authorisation and Authentication Protocols
- Azure AD B2B B2C
- Security and Risk Management
- PIM
- Licensing & Compliance
- Understanding Azure Storage
- Setting Up Azure Storage
- Designing Storage Access
- Storage Security and Best Practices
- Hands-On

## **Unit 18: Design Azure Migration**

- Design Migration & Integration Strategy
- Understand Data Protection at Different Stages
- Migration Fundamentals
- Azure Services for Migration
- Hands-On

## **Unit 19: Design Monitoring**

- Introduction to Design for Cost Optimization
- Azure Cost Calculator and Azure Cost Management
- Minimize Compute Costs
- Minimize Network Costs
- Minimize Storage Costs
- What should be your Monitoring Strategy
- What is Compliance
- What should be the Compliance Strategy
- Understand the Azure Monitoring Service
- Azure Application Insights
- Azure Monitor – Use Cases
- Achieving Compliance with Azure Policy
- Azure Sentinel
- Hands-On

## **Unit 20: Design Business Continuity**

- Best Ways to design:
- Site Recovery
- Replication

- Backup and Archival
- Usecase: Recommend a solution for site recovery
- Hands-On

## FAQs

### **1. How is the training organized? How much percentage is theoretical and how much is practical hands-on?**

We at eMexo believe nothing beats hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical and hands-on oriented. You learn a concept, you practice it then and there with the trainer. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer the next day.

### **2. What is the course duration? How and when do you plan to complete the course?**

We generally cover our courses in 30 hours, however, we are aware that we can't put a hard- stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 28 hours or 35 hours, doesn't matter.

### **3. What is the material provided in the training?**

We have industry standard course material which is used by our trainers to train you. At the end of the training apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions, etc.

### **4. Do you help in preparing for the interview?**

Our trainers are working professionals who work in MNCs. They are the expert in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions will also conduct mock interviews to help you prepare for the real interview.

### **5. Who are your trainers?**

Our trainers are industry experts who work in their respective technologies day in and day out. They work in MNCs and are technology experts within their organizations.

**6. What is the total batch size per course?**

We maintain a strict batch size of a maximum of 5 students. We also provide exclusive one-to-one training as well. Talk to our training partner to get more details.

**7. Do you provide certification for the course?**

Yes, at the end of training we provide a certification of completion.

**8. Will I be joining a new batch or being merged with another batch?**

You will be added to a new batch.

**9. Is fast-track training available?**

Yes, we provide fast-track training as well for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain the same. However, the trainer will be spending more hours with you to complete the course.

**10. Do you assist in job placement?**

Our trainers are expert professionals in their organizations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look for in a resume.

**11. Timings for training - Regular training/weekend training**

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

**12. Will you be working on a live project during training?**

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and working with you on the implementation.

**13. What happens if I miss a class?**

If you miss a class the content of that class will be taught to you again. With us, you might miss a class but not the content.

**14. Can I attend a demo before the actual class?**

Yes, absolutely! Talk to our training counselor on phone at **+91-9513216462** or email us at **info@emexotechnologies.com** to arrange a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.