



*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 **Introduction to Cloud Computing, Azure VMs and Storage Accounts, Configuration Management, Automation, and Debugging, Networking in Azure, Scaling in Azure, Monitoring in Azure, High Availability, Storage in Azure, Azure AD, Azure Service Bus Messaging, Azure Key Vaults, Web & Mobile Services, and Projects**. 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: Introduction to Cloud Computing**

**Objective:** In this module, you will get a basic understanding of Cloud Services and an introduction to Azure

- What is Cloud Computing
- Need for Cloud
- Characteristics of Cloud
- Categories of Services
- Providers
- Azure
  - Architecture
  - Services
  - Regions
  - Subscriptions management
- Hands-On: Create an Azure Free Trial Account

## Unit 2: Azure VMs and Storage Accounts

**Objective:** In this module, you will get a deep understanding of Virtual Machines & Storage Accounts in Azure

- VM Architecture
- Deploy VMs
- Create Storage Accounts for VMs
- Create a VM with Unmanaged Storage
- Manage VM Disks
- Configure Shared Storage
- Clean Up
- Supported Workloads
- Hands-On: Create a VM and Storage Account in Azure

## Unit 3: Configuration Management, Automation, and Debugging

**Objective:** In this module, you will get a deep understanding of working in Azure using Commands

- Azure CLI
- Azure PowerShell
- Azure Cloud Shell
- VM Agent and Extensions
- ARM Templates
- PowerShell DSC

- Deploy and Enable Debugging for VM in Dev
- Hands-On: Create VMs using PowerShell and ARM Templates

## Unit 4: Networking in Azure

**Objective:** In this module, you will get a deep understanding of Networking Concepts, IPs, and Firewall in Azure

- Virtual Network Architecture
- Create a Virtual Network
- Create a Network Security Group
- Deploy VM to the Virtual Network
- Configure DNS
- Configure Static IP
- User-Defined Routing
- VNet Peering
- Express Route and Site-to-Site VPN
- Hands-On: Create a Virtual network, configure the firewall and deploy a VM to the network

## Unit 5: Scaling in Azure

**Objective:** In this module, you will get a deep understanding of Scaling and how to enable Scaling in Azure.

- What is Scaling in Cloud
- Vertical Scaling
- Horizontal Scaling

- Scale Set
- Auto Scaling
- Horizontal Scaling
- Hands-On: Create VM Scale Set and Enable Auto Scale for VM Scale Set

## Unit 6: Monitoring in Azure

**Objective:** In this module, you will get a deep understanding of Monitoring in Azure

- Azure Monitor
- What is Log Storage Account and Why it is needed?
- Boot Diagnostics
- Guest OS Diagnostics
- Host Metrics
- Creating Alerts
- Activity Logs
- Hands-On: Enable Logging and Alerts for VMs

## Unit 7: High Availability

**Objective:** In this module, you will get a deep understanding of Availability in the Cloud.

- What is Availability and how it is achieved?
- High Availability Architecture
- Availability Zones

- Availability Sets
- Create and Configure a Load Balancer
- Application Gateways
- Create VMs to work with Load Balancer
- Understanding N-Tier Application Architecture
- Hands-On: Create VMs and manage the traffic via Load Balancer

## Unit 8: Storage in Azure

**Objective:** In this module, you will get an understanding of Storage Options and Services offered by Azure.

- Blob Storage
- Queue Storage
- Table Storage
- Azure Storage Explorer
- Content Delivery Network
- Azure SQL
- Redis Caching
- Cosmos DB
- Hands-On: Create and manage Blob, Queue, and Table Storage

## Unit 9: Azure AD

**Objective:** In this module, you will get an understanding of Active Directory Services of Azure

- Users
- Groups
- RBAC
- App Registration and Service Principal
- Azure AD Connect
- Azure B2B
- Azure B2C
- Conditional Access Policies
- Multi-Factor Authentication
- Hands-On: Add users and configure MFA

## **Unit 10: Azure Service Bus Messaging**

**Objective:** In this module, you will get an understanding of the Service Bus of Azure

- What is a Service Bus?
- What are Queues?
- What are the Topics?
- Event Grid and Event Hubs
- Push Notification Services
- Hands-On: Create a Service Bus and Configure Queues and Topics



## Unit 11: Azure Key Vaults

**Objective:** In this module, you will learn about Key Vaults in Azure

- What is a managed identity?
- Key Vaults
- App Secret
- App Password
- Hands-On: Enable managed identity for a VM and create Key Vault

## Unit 12: Web & Mobile Services

**Objective:** In this module, you will learn about Web Services in Azure

- PaaS and Azure Web App
- Functions
- Web-hooks
- Web Jobs
- Logic Apps
- Mobile Apps
- Microservices architecture
- Hands-On: Create a Web site and configure it.

## Unit 13: Projects

- Create a Highly Available Web Server Architecture

- Create a Virtual Network
  - Create a Web Server Subnet
  - Create a Load Balancer
  - Create 3 Web Servers and configure them with Load Balancer
- Build a Logic App to Read any Twitter handle and email the tweets

## 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 the 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.