

Azure Cloud Full Curriculum

Professional Azure Cloud Training Program

Course Overview

This Azure Cloud curriculum is designed for private institutes to provide complete Microsoft Azure training from beginner to advanced level. The program covers cloud computing concepts, Azure services, virtual machines, networking, DevOps, security, storage, deployment, monitoring, and real-world projects.

Course Name	Microsoft Azure Cloud Master Program
Duration	4 Months (16 Weeks)
Level	Beginner to Advanced
Mode	Online / Offline
Certification	Azure Industry-Oriented Certification

Module 1: Introduction to Cloud Computing

- What is Cloud Computing
- Types of Cloud Models
- Benefits of Cloud
- Azure Fundamentals

Module 2: Azure Fundamentals

- Azure Portal
- Azure Resource Manager

- Subscriptions and Resource Groups
- Azure Regions and Availability Zones

Module 3: Azure Virtual Machines

- Creating Virtual Machines
- VM Scaling
- Load Balancing
- VM Security

Module 4: Azure Storage

- Blob Storage
- File Storage
- Queue Storage
- Storage Security

Module 5: Azure Networking

- Virtual Networks
- Subnets
- NSG and Firewalls
- VPN Gateway

Module 6: Azure Identity & Security

- Azure Active Directory
- RBAC
- Multi-Factor Authentication
- Key Vault

Module 7: Azure App Services

- Web Apps
- API Apps

- Deployment Slots
- Scaling Applications

Module 8: Azure Database Services

- Azure SQL Database
- Cosmos DB
- Database Backup
- Database Security

Module 9: Azure DevOps

- Azure DevOps Introduction
- CI/CD Pipelines
- Repositories
- Release Management

Module 10: Monitoring & Management

- Azure Monitor
- Log Analytics
- Alerts and Notifications
- Cost Management

Module 11: Azure Kubernetes Service

- Containers and Docker
- AKS Basics
- Deployment
- Scaling Containers

Module 12: Real-Time Projects

- Cloud Infrastructure Setup
- Web App Deployment



- Monitoring Dashboard
- CI/CD Implementation

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16-Week Training Plan

Week	Topics
1	Cloud Fundamentals
2	Azure Fundamentals
3	Azure Portal & Resources
4	Virtual Machines
5	Azure Storage
6	Networking
7	Azure Security
8	Azure Active Directory
9	App Services
10	Azure Databases
11	Azure DevOps
12	CI/CD Pipelines
13	Monitoring & Alerts
14	Containers & AKS
15	Real-Time Projects
16	Interview Preparation

Practical Lab Exercises

- Deploy Virtual Machine
- Configure Azure Storage
- Create Virtual Network
- Deploy Web Application
- Configure Azure SQL

- CI/CD Pipeline Setup
- Container Deployment using AKS

Career Opportunities

Students completing this curriculum can apply for roles such as Azure Cloud Engineer, Cloud Administrator, DevOps Engineer, Site Reliability Engineer, Cloud Support Engineer, Infrastructure Engineer, and Azure Solutions Architect Associate.

Certification Preparation

The curriculum prepares students for Microsoft Azure certifications including AZ-900, AZ-104, and Azure DevOps Engineer Expert fundamentals.

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