



AZ-900: Microsoft Azure Fundamentals – Course Curriculum

Recommended For: Freshers, IT Professionals, Developers, Data Professionals

Certification Focus: Microsoft AZ-900 – Azure Fundamentals

Training Mode: LIVE Online, Self Paced Videos

Module 1: Cloud Computing Fundamentals

- ✓ Introduction to Cloud Computing
- ✓ Benefits of Cloud Services
- ✓ Public, Private & Hybrid Cloud
- ✓ IaaS, PaaS and SaaS
- ✓ Shared Responsibility Model
- ✓ Consumption-Based Cloud Model

Module 2: Microsoft Azure Fundamentals

- ✓ Introduction to Microsoft Azure
- ✓ Azure Global Infrastructure
- ✓ Azure Regions & Availability Zones
- ✓ Region Pairs
- ✓ Azure Data Centers
- ✓ Azure Resources & Resource Groups
- ✓ Azure Subscriptions
- ✓ Management Groups

Module 3: Azure Compute Services

- ✓ Azure Virtual Machines
- ✓ VM Scale Sets

- ✓ Azure App Service
- ✓ Azure Functions
- ✓ Azure Container Instances
- ✓ Azure Kubernetes Service – Overview
- ✓ Virtual Desktop Overview
- ✓ Serverless Computing

Module 4: Azure Networking Services

- ✓ Azure Virtual Network
- ✓ Subnets
- ✓ Public & Private IP Addresses
- ✓ Network Security Groups
- ✓ Azure DNS
- ✓ VPN Gateway
- ✓ ExpressRoute
- ✓ Azure Load Balancer
- ✓ Application Gateway

Module 5: Azure Storage Services

- ✓ Azure Storage Accounts
- ✓ Blob Storage
- ✓ Azure Files
- ✓ Queue & Table Storage
- ✓ Managed Disks
- ✓ Storage Tiers
- ✓ Redundancy: LRS, ZRS, GRS & GZRS
- ✓ Azure Storage Security

Module 6: Azure Data & Database Services

- ✓ Azure SQL Database
- ✓ Azure SQL Managed Instance
- ✓ Azure Cosmos DB
- ✓ Azure Database Services
- ✓ Introduction to Data Analytics Services
- ✓ Structured vs. Unstructured Data

Module 7: Azure Identity, Security & Governance

- ✓ Microsoft Entra ID
- ✓ Authentication vs. Authorization
- ✓ Multi-Factor Authentication
- ✓ Role-Based Access Control (RBAC)
- ✓ Zero Trust Concept
- ✓ Microsoft Defender for Cloud
- ✓ Microsoft Sentinel Overview
- ✓ Azure Key Vault
- ✓ Azure Policy

Resource Locks

Module 8: Azure Management & Deployment

- ✓ Azure Portal
- ✓ Azure Cloud Shell
- ✓ Azure CLI
- ✓ Azure PowerShell
- ✓ Azure Resource Manager
- ✓ Infrastructure as Code Overview
- ✓ ARM Templates & Bicep Overview
- ✓ Azure Arc Overview
- ✓ Azure Advisor

Module 9: Azure Cost Management & Service Management

- ✓ Azure Pricing Concepts
- ✓ Azure Pricing Calculator
- ✓ Total Cost of Ownership
- ✓ Cost Management
- ✓ Azure Reservations
- ✓ Azure Marketplace
- ✓ Service Level Agreements
- ✓ Azure Service Health
- ✓ Azure Status
- ✓ Azure Monitor

Module 10: AZ-900 Certification Preparation

- ✓ AZ-900 Exam Domains
- ✓ Important Certification Topics
- ✓ Scenario-Based Questions
- ✓ Practice Questions
- ✓ Mock Tests
- ✓ Exam Tips & Preparation Strategy
- ✓ Final Revision

Hands-On Labs

- ✓ Create a Free Azure Account
- ✓ Navigate the Azure Portal
- ✓ Create & Manage Resource Groups
- ✓ Deploy an Azure Virtual Machine
- ✓ Create a Virtual Network
- ✓ Configure Azure Storage
- ✓ Create an Azure SQL Database
- ✓ Explore Microsoft Entra ID
- ✓ Configure RBAC
- ✓ Explore Azure Monitor & Advisor
- ✓ Check Azure Cost Management

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AZ-900

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