

Why Learn Microsoft Azure Fundamentals?

Learn basic knowledge of cloud services and how those services are provided with Azure.

Learn cloud concepts, along with Azure services, workloads, security, privacy, pricing, and support.

Learn cloud computing concepts, models, and services, such as public, private, and hybrid cloud, in addition to infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS).

Audience Profile :

- This course is suitable for IT personnel who are just beginning to work with Azure. This audience wants to learn about our offerings and get hands-on experience with the product.
- Job role: Administrator, AI Engineer, Data Analyst, Data Engineer, Data Scientist, Database Administrator, Developer, Security Engineer

Prerequisites:

- There are no prerequisites for taking this course. However, the more technical knowledge a student has the more they will understand about the cloud.



Course Overview:

- This course will provide foundational level knowledge on cloud concepts; core Azure services; security, privacy, compliance, and trust; and Azure pricing and support.
- This course primarily uses the Azure portal to create services and does not require scripting skills.
- Students in this course will gain confidence to take other role-based courses and certifications, such as Azure Administrator.
- This course provides an Azure pass and optional lab environment.
- This course combines lecture, demonstrations, and hands-on labs.
- This course will also help prepare someone for the AZ-900 exam.

Microsoft Azure Fundamentals Outline:

- Module 1: Cloud Concepts
 - Why Cloud Services
 - Types of Cloud models
 - Types of Cloud services
- Module 2: Core Azure Services
 - Core Azure Architectural components
 - Core Azure Services and Products
 - Azure Solutions
 - Azure management tools
 - Lab : Walkthrough: Create a virtual machine
 - Lab : Walkthrough: Deploy Azure container instances
 - Lab : Walkthrough: Create a virtual network
 - Lab : Walkthrough: Create blob storage
 - Lab : Walkthrough: Create a SQL database
 - Lab : Walkthrough: Implement an Azure IoT Hub
 - Lab : Walkthrough: Implement Azure Functions
 - Lab : Walkthrough: Create a web app
 - Lab : Walkthrough: Create a VM with a Template
 - Lab : Walkthrough: Create a VM with PowerShell
 - Lab : Walkthrough: Create a VM with CLI
- Module 3: Security, Privacy, Compliance, and Trust
 - Secure network connectivity
 - Core Azure identity services
 - Security tools and features
 - Azure governance methodologies
 - Monitoring and reporting
 - Privacy, compliance, and data protection standards
 - Lab : Walkthrough: Secure network traffic
 - Lab : Walkthrough: Implement Azure key vault
 - Lab : Walkthrough: Create an Azure Policy
 - Lab : Walkthrough: Manage access with RBAC
 - Lab : Walkthrough: Manage resource locks
 - Lab : Walkthrough: Implement resource tagging
 - Lab : Walkthrough: Exploring the Trust Center
- Module 4: Azure Pricing, Service Level Agreements(SLAs), and Lifecycle
 - Azure subscriptions
 - Planning and managing costs
 - Azure Service Level Agreements (SLAs)
 - Service lifecycle in Azure
 - Lab : Walkthrough: Use the Azure Pricing Calculator
 - Lab : Walkthrough: Use the Azure TCO Calculator
 - Lab : Walkthrough: Calculate composite SLAs
 - Lab : Walkthrough: Access Azure Preview features

Training Solutions:

- ✓ Offline Classroom Instructor-Led Training in our labs or onsite Locations.
- ✓ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

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