

AZ-900T00 Microsoft Azure Fundamentals

Duration
1 Day

Delivery Methods
VILT, Private Group



This course will provide foundational level knowledge on cloud concepts; core Azure services; and Azure management and governance features and tools.

Who Should Attend

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. This course primarily uses the Azure portal and command line interface to create resources 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 combines lecture, demonstrations, and hands-on labs. This course will also help prepare someone for the AZ-900 exam.

Agenda

1 - DESCRIBE CLOUD COMPUTING

- What is cloud computing
- Describe the shared responsibility model
- Define cloud models
- Describe the consumption-based model

2 - DESCRIBE THE BENEFITS OF USING CLOUD SERVICES

- Describe the benefits of high availability and scalability in the cloud
- Describe the benefits of reliability and predictability in the cloud
- Describe the benefits of security and governance in the cloud
- Describe the benefits of manageability in the cloud

3 - DESCRIBE CLOUD SERVICE TYPES

- Describe Infrastructure as a Service
- Describe Platform as a Service
- Describe Software as a Service

4 - DESCRIBE THE CORE ARCHITECTURAL COMPONENTS OF AZURE

- What is Microsoft Azure
- Get started with Azure accounts
- Describe Azure physical infrastructure
- Describe Azure management infrastructure

5 - DESCRIBE AZURE COMPUTE AND NETWORKING SERVICES

- Describe Azure Virtual Machines
- Describe Azure Virtual Desktop
- Describe Azure Containers
- Describe Azure Functions
- Describe application hosting options
- Describe Azure Virtual Networking
- Describe Azure Virtual Private Networks
- Describe Azure ExpressRoute
- Describe Azure DNS

6 - DESCRIBE AZURE STORAGE SERVICES

- Describe Azure storage accounts
- Describe Azure storage redundancy
- Describe Azure storage services
- Identify Azure data migration options
- Identify Azure file movement options

7 - DESCRIBE AZURE IDENTITY, ACCESS, AND SECURITY

- Describe Azure directory services
- Describe Azure authentication methods
- Describe Azure external identities
- Describe Azure conditional access
- Describe Azure role-based access control
- Describe zero trust model

- Describe defense-in-depth
- Describe Microsoft Defender for Cloud

8 - DESCRIBE COST MANAGEMENT IN AZURE

- Describe factors that can affect costs in Azure
- Compare the Pricing and Total Cost of Ownership calculators
- Describe the Microsoft Cost Management tool
- Describe the purpose of tags

9 - DESCRIBE FEATURES AND TOOLS IN AZURE FOR GOVERNANCE AND COMPLIANCE

- Describe the purpose of Microsoft Purview
- Describe the purpose of Azure Policy
- Describe the purpose of resource locks
- Describe the purpose of the Service Trust portal

10 - DESCRIBE FEATURES AND TOOLS FOR MANAGING AND DEPLOYING AZURE RESOURCES

- Describe tools for interacting with Azure
- Describe the purpose of Azure Arc
- Describe Azure Resource Manager and Azure ARM templates

11 - DESCRIBE MONITORING TOOLS IN AZURE

- Describe the purpose of Azure Advisor
- Describe Azure Service Health
- Describe Azure Monitor