

EXAM AZ-900: MICROSOFT AZURE FUNDAMENTALS

Course description

This Exam AZ-900 Microsoft Azure Fundamentals certification training course from CloudThat offers candidates foundational level knowledge of Cloud and how these cloud services are provided with Microsoft Azure. This course also provides candidates with an in-depth understanding of concepts such as cloud computing, Azure workloads, Azure pricing, and support, as well as security and privacy in Azure. The Microsoft AZ-900 exam is ideal for candidates who are new to Azure or are just beginning to work with cloud-based solutions and services. Taking up this training prepares candidates for the AZ-900 exam, which meets the requirement for Microsoft Certified Azure Fundamentals certification. Candidates attending our AZ-900 certification training get access to the authored curriculum and can learn through engaging and interactive sessions delivered by Microsoft-certified in-house trainers

- Course level: Beginner
- Duration: 1 days

Activities

This course includes presentations and demonstrations.

Course objectives

In this course, you will learn to:

- Understand general Cloud computing concepts

- Understand core services available with Microsoft Azure
- Understand security, privacy, compliance, and trust with Microsoft Azure
- Understand pricing and support models available with Microsoft

Intended audience

- Professionals from non-technical backgrounds such as sales, procurement looking to sell Microsoft Azure
- IT Professionals wanting to know about Microsoft Azure
- Managers
- Existing other-Cloud professionals interested in getting a quick introduction to Azure

Prerequisites for the AZ-900 Exam Course

- There are no pre-requisites for taking Microsoft certification AZ 900 course. Technical IT experience is not required however some general IT knowledge or experience would be beneficial.

Course outline

Module 01 – Describe cloud concepts

- Describe Cloud Computing
 - What is cloud computing
 - Describe the shared responsibility model
 - Define cloud models
 - Describe the consumption-based model
- Describe the benefits of using cloud services
 - Introduction
 - 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
 - Describe sustainability considerations in the cloud
- Describe Cloud Service Types
 - Introduction
 - Describe Infrastructure as a Service
 - Describe Platform as a Service
 - Describe Software as a Service

Module 02 – Azure architecture and services

- Describe the core architectural components of Azure
 - Introduction
 - What is Microsoft Azure
 - Get started with Azure accounts
 - Describe Azure physical infrastructure
 - Describe Azure management infrastructure
- Describe Azure compute services
 - Introduction
 - Decoding Azure Virtual Machine names
 - Azure Virtual Machines families
 - Describe Azure virtual machines
 - Describe Azure virtual desktop
 - Describe Azure containers
 - Describe Azure functions
 - Describe AI, machine learning, and IoT/Edge services in Azure
 - Describe application hosting options
- Describe Azure networking services
 - Introduction
 - Describe Azure virtual networking
 - Describe Azure virtual private networks
 - Describe Azure ExpressRoute
 - Describe Azure DNS
- Describe Azure Storage services
 - Introduction
 - Describe Azure storage accounts
 - Describe Azure storage redundancy
 - Describe Azure storage services
 - Identify Azure data migration options
 - Identify Azure file movement options
- Describe Azure Identity, Access, and Security
 - Introduction
 - Describe Microsoft Entra ID and Domain Services
 - Describe 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 encryption and key management in Azure
 - Describe Microsoft Defender for Cloud

Module 03 – Describe Azure management and governance

- Describe cost management in Azure
 - Introduction
 - Describe factors that can affect costs in Azure
 - Explore the pricing calculator
 - Describe the Microsoft Cost Management tool
 - Describe the purpose of tags
 - Describe cost optimization options in Azure
- Describe features and tools in Azure for governance and compliance
 - Introduction
 - 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
- Describe features and tools for managing and deploying Azure resources
 - Introduction
 - Describe tools for interacting with Azure
 - Describe the purpose of Azure Arc
 - Describe Azure Resource Manager, ARM templates and Bicep
- Describe monitoring tools in Azure
 - Introduction
 - Describe the purpose of Azure Advisor
 - Describe Azure Service Health
 - Describe Azure Monitor

Your course overview ends here.
But your cloud journey doesn't!

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About CloudThat

Established in 2012, CloudThat is an award-winning company and the first in India to offer cloud training and consulting services for individuals and enterprises worldwide. Recently, it won Google Cloud's New Training Partner of the Year Award for 2025, becoming the first company in the world in 2025 to hold awards from all three major cloud giants: AWS, Microsoft, and Google. CloudThat notably won consecutive AWS Training Partner of the Year (APJ) awards in 2023 and 2024 and the Microsoft Training Services Partner of the Year Award in 2024, bringing its total award count to an impressive 12 awards in the last 8 years.

CloudThat specializes in Cloud Migration, Data Platforms, DevOps, IoT, and cutting-edge technologies like Gen AI & AI/ML. As a Microsoft Solutions Partner, AWS Premier Tier Training Partner, Google Cloud Platform Partner, and collaborator with leading organizations like HPE, Oracle, Nvidia and Databricks, CloudThat has trained over 850,000 professionals across 600+ cloud certifications, empowering students and professionals worldwide to advance their skills and careers.

To know more about our cloud certification training, email at sales@cloudthat.com or call us at **+91-8880002200** or **+1-8555588830** for those from outside India.