

# Microsoft Azure Fundamentals

Course code: MOC AZ-900

This one-day course will provide foundational level knowledge on cloud concepts; core Azure services; security, privacy, compliance, and trust; and Azure pricing and support.

## At course completion students will be able

Define cloud computing and its key advantages.

Explain public, private, and hybrid cloud models.

Explain IaaS, PaaS, and SaaS cloud services

Identify core Azure architectural components, such as regions, geographies, and resource groups.

Identify usage cases for Azure core services and products, such as virtual machines and storage.

Identify usage cases for Azure solutions, such as the Internet of Things and Machine Learning.

Identify what Azure management tools are available such as Azure PowerShell and the CLI.

Describe virtual network security connectivity options such as Network Security Groups.

Describe Azure identity authentication and authorization options.

Describe usage cases for the Security Center, Key vault, threat and information protection options.

Describe Azure policies and role-based access control.

Describe usage cases for Azure Monitor and Azure Service Health.

Describe privacy, compliance, and data protection standards.

Use an Azure subscription.

Plan and manage costs.

Explain Azure support options.

Describe Azure SLAs.

Explain Azure service lifecycles.

## Prerequisites

Knowledge in extent of the courses which are listed in the bellow sections **Previous Courses** and **Related Courses**

Good understanding of TCP/IP and DNS technologies

## Course outline

Why Cloud Services

Types of Cloud models

Types of Cloud services

Core Azure Architectural components

Core Azure Services and Products

Azure Solutions

Azure management tools

Secure network connectivity

Core Azure identity services

Security tools and features

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# Microsoft Azure Fundamentals

Azure governance methodologies

Monitoring and reporting

Privacy, compliance, and data protection standards

Azure subscriptions

Planning and managing costs

Azure support options

Azure Service Level Agreements (SLAs)

Service lifecycle in Azure

## Preparation for Microsoft certification

Most Microsoft certification exams do not require students to attend an official MOC course in order to pass the exam.

This applies to all certifications except for MCM

Official Microsoft MOC courses as well as our own GOC courses are good ways of preparation for Microsoft certifications such as MCP, MTA, MCSA, MCSE or MCM

This does not mean that official MOC courses would serve as the only necessary preparation. The primary goal of an MOC course is to provide for sufficient theoretical knowledge and practical experience to effectively work with the related product

MOC courses usually cover most of the topics required by their respective certification exams, but often do not give every topic the same amount of time and emphasis as may be required to completely pass the exam

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