

MTA: Microsoft Azure Fundamentals



Length: 2 days

Format: Bootcamp

Time: Bootcamp



About This Course

This two-day course will provide foundational level knowledge on cloud concepts; core Azure services; security, privacy, compliance, and trust; and Azure pricing and support. Note: This course provides an Azure pass and time for students to participate in hands-on labs. This course will prepare students for Microsoft Technology Associates (MTA) Azure Fundamentals Certification exam. To learn more about the course objectives and opportunities in the industry for MTA certified professionals, view our MTA Azure Fundamentals Info Session.

Required Exams

Candidates earn their Microsoft Technology Associates (MTA) Certification by successfully completing one exam:

Exam: AZ - 900 Microsoft Azure Fundamentals

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. 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 combines lecture, demonstrations, and hands-on labs.

Course Objectives

By completing this course, students will learn:

- * Cloud Concepts
- * Core Azure Services
- * Security, Privacy, Compliance, and Trust
- * Azure Pricing and Support

Outline

Module 1: Cloud Concepts

In this module, you will learn about cloud services, the types of cloud models, and the types of cloud services.

Lessons

- * Why Cloud Services
- * Types of Cloud models
- * Types of Cloud services

After completing this module, students will be able to:

- * Define cloud computing and its key advantages.
- * Explain public, private, and hybrid cloud models.
- * Explain IaaS, PaaS, and SaaS cloud services.

Module 2: Core Azure Services

In this module, you learn about Azure core cloud architectural components, Azure services and products, Azure solutions, and Azure management tools.

Lessons

- * Core Azure Architectural components
- * Core Azure Services and Products
- * Azure Solutions
 - * Azure management tools

After completing this module, students will be able to:

- * 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.

Module 3: Security, Privacy, Compliance, and Trust

In this module, you learn about Azure security, identity, governance, monitoring, reporting, and standards.

Lessons

- * Secure network connectivity
- * Core Azure identity services
- * Security tools and features
 - * Azure governance methodologies
 - * Monitoring and reporting
 - * Privacy, compliance, and data protection standards

After completing this module, students will be able to:

- * 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.

Module 4: Azure Pricing, Service Level Agreements(SLAs), and Lifecycle

In this module, you will learn about Azure subscriptions, planning and managing costs, support options, SLAs, and service lifecycles.

Lessons

- * Azure subscriptions
- * Planning and managing costs
- * Azure Service Level Agreements (SLAs)
- * Service lifecycle in Azure

After completing this module, students will be able to:

- * Use an Azure subscription.
- * Plan and manage costs.
- * Describe Azure SLAs.
- * Explain Azure service lifecycles.