

Microsoft Azure Fundamentals



Length: 2 days

Format: Bootcamp

Time: Day



About This Course

This two-day course will provide foundational level knowledge on core Azure concepts; core Azure services; core solutions and management tools; general security and network security; governance, privacy, and compliance features; Azure cost management and service level agreements.

Required Exams

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.

Course Objectives

After completing this course, students will learn to:

- * Describe core Azure concepts
- * Describe core Azure services
- * Describe core solutions and management tools on Azure
- * Describe general security and network security features
- * Describe identity, governance, privacy, and compliance features
- * Azure cost management and service level agreements

Outline

Module 1: Describe core Azure concepts

In this module, you'll take an entry level end-to-end look at Azure and its capabilities, which will provide you with a solid foundation for completing the available modules for Azure Fundamentals.

Lessons

- * Introduction to Azure fundamentals
- * Discuss Azure fundamental concepts
- * Describe core Azure architectural components

After completing this module, students will be able to:

- * Understand the benefits of cloud computing in Azure and how it can save you time and money
- * Explain concepts such as high availability, scalability, elasticity, agility, and disaster recovery
- * Describe core Azure architecture components such as subscriptions, management groups, resources and
- * Summarize geographic distribution concepts such as Azure regions, region pairs, and availability zones

Module 2: Describe core Azure services

In this module, you learn about core Azure services like Azure database, Azure compute, Azure storage, and Azure Networking.

Lessons

- * Explore Azure database and analytics services
- * Explore Azure compute services
- * Explore Azure Storage services
- * Explore Azure networking services

After completing this module, students will be able to:

- * Understand the breadth of services available in Azure including compute, network, storage, and datab
- * Identify virtualization services such as Azure Virtual Machines, Azure Container Instances, Azure Ku
- * Compare Azure's database services such as Azure Cosmos DB, Azure SQL, Azure Database for MySQL, Azur
- * Examine Azure networking resources such as Virtual Networks, VPN Gateways, and Azure ExpressRoute
- * Summarize Azure storage services such as Azure Blob Storage, Azure Disk Storage, and Azure File Storage

Module 3: Describe core solutions and management tools on Azure

In this module, you'll learn about AI machine learning, Azure DevOps, monitoring fundamentals, management fundamentals, serverless computing fundamentals. and IoT fundamentals.

Lessons

- * Choose the best AI service for your needs

- * Choose the best tools to help organizations build better solutions
- * Choose the best monitoring service for visibility, insight, and outage mitigation
- * Choose the best tools for managing and configuring your Azure environment
- * Choose the best Azure serverless technology for your business scenario
- * Choose the best Azure IoT service for your application

After completing this module, students will be able to: