



AZ900T00 - Microsoft Azure Fundamentals

Course ID #: 7000-364-ZZ-Z

Hours: 14

Course Content

Course Description:

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. If you do not need hands-on experience, consider the AZ-900T01: Microsoft Azure Fundamentals (1 day) course. The content for both courses aligns to the AZ-900 exam objective domain.

Prerequisites:

None

Target Student:

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.

Topics:

Module 1: Cloud Concepts

Lessons

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

Module 2: Core Azure Services

Lessons

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

Lab: Walkthrough: Create a virtual machine

Lab: Walkthrough: Deploy Azure container instances

Lab: Walkthrough: Create a virtual network

Lab: Walkthrough: Create blob storage

Lab: Walkthrough: Create a SQL database

Lab: Walkthrough: Implement an Azure IoT Hub

Lab: Walkthrough: Implement Azure Functions

Lab: Walkthrough: Create a web app

Lab: Walkthrough: Create a VM with a Template

Lab: Walkthrough: Create a VM with PowerShell

Lab: Walkthrough: Create a VM with CLI

Module 3: Security, Privacy, Compliance, and Trust

Lessons

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



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- Lab: Walkthrough: Secure network traffic**
- Lab: Walkthrough: Implement Azure key vault**
- Lab: Walkthrough: Create an Azure Policy**
- Lab: Walkthrough: Manage access with RBAC**
- Lab: Walkthrough: Manage resource locks**
- Lab: Walkthrough: Implement resource tagging**
- Lab: Walkthrough: Exploring the Trust Center**

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

Lessons

- Azure subscriptions
- Planning and managing costs
- Azure Service Level Agreements (SLAs)
- Service lifecycle in Azure
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Lab: Walkthrough: Use the Azure Pricing Calculator

Lab: Walkthrough: Use the Azure TCO Calculator

Lab: Walkthrough: Calculate composite SLAs

Lab: Walkthrough: Access Azure Preview features