

AZ-900: Microsoft Azure Fundamentals

Course Overview

This course gets into the fundamentals of Microsoft Azure. Topics covered include concepts, services, solutions, management, monitoring, security, compliance, availability, and cost management.

Chapter 1 - The Desktop Lifecycle

1h 42m

Instructor Introduction

Course Introduction

Azure Concepts, Services, and Solutions

Topic A: Cloud Fundamentals

Defining Cloud Computing

Benefits of Cloud Computing

Pay As You Go

Topic B: Cloud Models and Services

Overview of Cloud Models and Services

Private Cloud Model

Public Cloud Model

Hybrid Cloud Model

Comparing Cloud Models

Cloud Services

Infrastructure as a Service (IaaS)

Platform as a Service (PaaS)

Software as a Service (SaaS)

Demo - Examining Microsoft 365 SaaS

Topic C: Core Azure Components and Service Offerings

Core Resources Overview

Azure Subscriptions

Azure Resources

Resource Manager

Azure Regions and Region Pairs

Availability Options

Demo - Examining Azure Components and Resources

Compute Resources

Demo - Creating a Virtual Machine in Azure

Storage Resources

Demo - Creating Storage Accounts

Networking Resources

Demo - Working with Azure Networking

Additional Azure Services

Demo - Examining Additional Azure Services

Azure Core Solutions

Application Development

Chapter 1 Review

Chapter 2 - Azure Management and Monitoring

47m

Azure Management and Monitoring
Topic A: Understanding Azure Management
Azure Management Tools
Azure Management Portal
Demo - Overview of Azure Management Portal
Command Line Management
Demo - Examining Command Line Tools
Additional Tools
Demo - Creating Azure Resources Using Management Tools
Topic B: Monitoring and Analytics in Azure
Monitoring and Analytics Overview
Azure Advisor
Azure Monitor
Service Health
Topic C: Identity Management in Azure
Identity Fundamentals
Azure Active Directory
Azure AD Scenarios
Multi-Factor Authentication
Policy Management
Demo - Examining Azure AD
Chapter 2 Review

Chapter 3 - Azure Security and Compliance

42m

Azure Security and Compliance
Topic A: Azure Security Center
Azure Security Center
Demo - Azure Security Center
Topic B: Azure Security Components
Overview of Security Components
Security Posture
Defense in Depth
Secure Networking
Additional Security Components
Demo - Azure Security Components
Topic C: Azure Security, Privacy, and Compliance
Overview of Governance
Demo - Governance Components
Security and Compliance Offerings
Trust Center
Demo - Trust Center
Chapter 3 Review

Chapter 4 - Azure Availability and Cost Management

34m

Azure Availability and Cost Management
Topic A: Azure Cost Management
Overview of Cost Management
Price Factors
Calculating Prices

Demo - Using Price Calculator
Total Cost of Ownership
Cost Management
Demo - TCO Calculator and Cost Management
Best Practices
Topic B: Understanding Azure Availability
Service Level Agreements
Demo - Examining SLAs
Azure Preview
Chapter 4 Review
Course Closure

Total Duration: 3h 3m