



10979 Microsoft Azure Fundamentals

Price: \$865

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Length: 14 Hours (2 days)

Introduction: This two-day instructor-led course provides hands-on instruction and practice implementing Microsoft Azure. You will be presented with Basic cloud computing concepts as well as specific Microsoft Azure features used in day to day administration of cloud resources. You will learn key Microsoft Azure concepts and basic implementation of Azure subscriptions, websites, virtual machines, storage, virtual networks, databases and Microsoft Azure Active Directory.

Target Audience: This course is intended for information technology (IT) professionals who have a limited knowledge of cloud technologies and want to learn more about Microsoft Azure. This course provides the underlying knowledge required by all individuals who will be evaluating Microsoft Azure, regardless of whether they are an administrator, developer, or database administrator. This course also provides the prerequisite knowledge for students wishing to attend course 20532A Microsoft Azure for Developers, or course 20533A Microsoft Azure for IT Professionals.

The audience will include:

- Individuals who want to evaluate deploying, configuring, and administering services and virtual machines using Microsoft Azure.
 - Developers who want to evaluate creating Microsoft Azure solutions.
 - Windows Server administrators who are looking to evaluate the migration of on-premises roles and services to the cloud.
 - IT professionals who want to evaluate the use of Microsoft Azure to host web sites and mobile app back-end services.
 - Database administrators who want to evaluate the use of Microsoft Azure to host Microsoft SQL Server databases.
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Prerequisites: Before attending this course, students must have:

- A basic understanding of websites.
- A basic understanding of Active Directory concepts including: Domains, Users, Domain Controllers.
- A basic understanding of database concepts including tables and simple queries.

Objectives: After completing this course, students will be able to:

- Describe cloud computing, Microsoft Azure, and Azure subscriptions.
- Describe and create Microsoft Azure websites.
- Create and configure virtual machines in Microsoft Azure.
- Create a Microsoft Azure virtual network.
- Describe and configure Microsoft Azure storage.
- Describe and deploy databases in Microsoft Azure.
- Describe and configure Microsoft Azure Active Directory.



Course Outline

I. Getting Started with Microsoft Azure

- A. What Is Cloud Computing?
- B. What Is Azure?
- C. Managing Azure
- D. Subscription Management and Billing

II. Websites and Cloud Services

- A. Create and Configure Websites
- B. Deploy and Monitor Websites
- C. Create and Deploy Cloud Services

III. Virtual Machines

- A. Create and Configure Virtual Machines
- B. Configure Disk

IV. Virtual Networks

- A. Getting Started with Virtual Networks
- B. Creating a Virtual Network
- C. Implementing Point-to-Site Networks

V. Cloud Storage

- A. Understand Cloud Storage
- B. Create and Manage Storage

VI. Microsoft Azure Databases

- A. Understand Relational Database Deployment Options
- B. Create and Connect to SQL Databases

VII. Azure Active Directory

- A. Manage Azure AD Objects
- B. Manage Authentication

VIII. Microsoft Azure Management Tools

- A. Azure PowerShell
- B. The Azure SDK and the Azure Cross-Platform Command-Line Interface