

10979 Microsoft Azure Fundamentals

Duration: 2 Day(s)

Overview

Get instruction and practice implementing Microsoft Azure in this two day Microsoft Official Course. 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.

Who Should Attend

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.

Course Objectives

After completing this course, students will be able to:

- Describe the various Azure services, and access these services from the Azure portal.
- Create and configure virtual machines in Azure.
- Describe the Azure Websites service and Azure Cloud Services.
- Create and implement Azure networks.
- Create and configure cloud storage in Azure.
- Use databases to store data in Azure.
- Use Azure Active Directory (Azure AD), integrate applications with Azure AD, and manage authentication.
- Manage an Azure subscription by using Azure PowerShell, Microsoft Visual Studio, and the Azure command-line interface.

Course Outline

1 - Getting Started with Microsoft Azure

- What Is Cloud Computing?
- What Is Azure?
- Managing Azure
- Subscription Management and Billing
- Lab : Use the Microsoft Azure Portal

2 - Virtual Machines in Microsoft Azure

- Create and Configure Virtual Machines
- Configure Disks
- Lab : Create a Virtual Machine in Microsoft Azure

3 - Websites and Cloud Services

- Create and Configure Websites
- Deploy and Monitor Websites
- Create and Deploy Cloud Services
- Lab : Websites and Cloud Services

4 - Virtual Networks

- Getting Started with Virtual Networks
- Creating a Virtual Network
- Implementing Point-to-Site Networks
- Lab : Create a Virtual Network

5 - Cloud Storage

- Understand Cloud Storage
- Create and Manage Storage
- Lab : Configure Azure Storage

6 - Microsoft Azure Databases

- Understand Relational Database Deployment Options
- Create and Connect to SQL Databases
- Lab : Create a SQL Database in Azure

7 - Azure Active Directory

- Overview of Azure AD
- Manage Authentication
- Lab : Create Users in Azure Active Directory

8 - Microsoft Azure Management Tools

- Azure PowerShell
- The Azure SDK and the Azure Cross-Platform Command-Line Interface
- Lab : Using Microsoft Azure Management Tools