

10979 - Microsoft Azure Fundamentals

Duration: 2 days

Overview:

Get hands-on instruction and practice implementing Microsoft Azure in this two day **Microsoft 10979 training 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. [Read on...](#)

Target Audience:

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.

Pre-requisites:

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.

At Course Completion:

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.

[Read on...](#)

Module 1: Getting Started with Microsoft Azure

Lessons

- What Is Cloud Computing?
- What Is Azure?
- Managing Azure
- Subscription Management and Billing

Lab : Using the Microsoft Azure Portal

- Add a Co-Administrator
- View Billing Data

Module 2: Websites and Cloud Services

Lessons

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

Lab : Websites and Cloud Services

- Create a WordPress Website
- Create a Cloud Service

Module 3: Virtual Machines

Lessons

- Create and Configure Virtual Machines
- Configure Disks

Lab : Create a Virtual Machine in Microsoft Azure

- Create a Virtual Machine from the Gallery
- Verify the functionality of the Virtual Machine
- Attach a Data Disk

Module 4: Virtual Networks

Lessons

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

Lab : Create a Virtual Network

- Creating a Virtual Network
- Creating Virtual Machines from the Gallery
- Add Point-to-Site Connectivity

Module 5: Cloud Storage

Lessons

- Understand Cloud Storage
- Create and Manage Storage

Lab : Configure Azure Storage

- Create an Azure Storage Account
- Create and Manage Blobs
- Upload Files

Module 6: Microsoft Azure Databases

Lessons

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

Lab : Create an SQL Database

- Create a New SQL Database in Azure and Configure SQL Server Firewall Rules
- Add Data to an SQL Database in Azure by Using SQL Server Management Studio

Module 7: Azure Active Directory

Lessons

- Manage Azure AD Objects
- Manage Authentication

Lab : Create Users in Azure Active Directory

- Create an Azure AD Directory
- Create Users in Azure Active Directory

Module 8: Microsoft Azure Management Tools

Lessons

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

Lab: Using Microsoft Azure Management Tools

- Use the Azure PowerShell Modules
- Use the Azure Cross-Platform Command-Line Interface