

Introduction to Microsoft Azure for IT Professionals (10979)

Duration: **2 days**

Course Overview

1. This course will introduce students to the principles of cloud computing. Students will become familiar with how these principles have been implemented in Microsoft Azure. In addition, this course will explain how to implement the core Azure infrastructure, consisting of virtual networks and storage. With this foundation, students will learn how to create the most common Azure services, including Azure Virtual Machines, Web Apps, and Azure SQL Database. The course will conclude by describing features of Azure AD and methods of integrating it with on-premises Active Directory.

Who should attend

This course is intended for individuals who want to evaluate deploying, configuring, and administering services and virtual machines (VMs) by using Azure. This includes:

1. Developers who want to evaluate creating Azure solutions.
2. Windows Server administrators who want to evaluate the migration of on-premises Active Directory roles and services to the cloud.
3. IT professionals who want to evaluate the use of Azure to host websites and mobile app back-end services.
4. Database administrators who want to evaluate the use of Azure to host SQL databases.

Prerequisites

Before attending this course, students must have a background in IT. In addition to their professional experience, students who attend this training should already have the following technical knowledge:

1. Understanding of how to deploy websites
2. A basic understanding of virtualization
3. A basic understanding of Active Directory concepts, including domains, users, and domain controllers

A basic understanding of database concepts, including tables and simple queries

Course Objectives

After completing this course, students will be able to:

1. Describe cloud computing, Azure, and Azure subscriptions.
2. Use Azure PowerShell, the Azure Software Development Kit (SDK), and the Azure command-line interface (CLI) to manage Azure subscriptions.

3. Create and configure virtual machines in Azure, and manage their disks.
4. Create, configure, and monitor web apps in Azure and deploy Azure platform as a service (PaaS) cloud services.
5. Create and configure Azure virtual networks.
6. Create, manage, and configure cloud storage in Azure.
7. Use Azure SQL Database to create, configure, and manage SQL databases.
8. Create and manage Azure AD.

Follow On Courses

1. [Developing Microsoft Azure Solutions](#) (20532)
2. [Implementing Microsoft Azure Infrastructure Solutions](#) (20533)

Course Content

1. Getting started with Microsoft Azure
2. Microsoft Azure management tools
3. Virtual machines in Microsoft Azure
4. Azure Web Apps
5. Implementing Azure networking
6. Introduction Azure Storage and Data Services
7. Introduction to containers and server less computing in Azure
8. Configuring and managing Azure AD