

10979 Introduction to Microsoft Azure for IT Professionals

Course 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.

Other Prerequisites

Understanding of websites, virtualization, Active Directory and database concepts.

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

This is a 2-day class

Upcoming Dates

Date	Time	Where
02/19/2020	9:00AM - 5:00PM	Online LIVE
03/02/2020	9:00AM - 5:00PM	Online LIVE
03/04/2020	9:00AM - 5:00PM	Online LIVE
03/16/2020	9:00AM - 5:00PM	Online LIVE
03/18/2020	9:00AM - 5:00PM	Online LIVE
03/30/2020	9:00AM - 5:00PM	Online LIVE
04/01/2020	9:00AM - 5:00PM	Online LIVE
04/13/2020	9:00AM - 5:00PM	Online LIVE

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2 Microsoft Azure Management Tools

What is Azure PowerShell?
Azure SDK and Azure CLI
Lab: Using Microsoft Azure management tools

3 Virtual machines in Microsoft Azure

Creating and configuring Azure VMs
Configuring Azure VM storage
Lab: Creating a VM in Azure

4 Azure Web Apps

Creating and configuring Azure web apps
Deploying and monitoring Azure web apps
Lab: Creating and managing Azure web apps

5 Implementing Azure networking

Getting started with Azure networking
Getting started with Azure Load Balancer
Lab: Creating and configuring virtual networks

6 Introduction Azure Storage and Data Services

Understanding Azure Storage options
Creating and managing storage
Understanding options for relational database deployments
Creating and connecting to Azure SQL databases
Lab: Configuring Azure Storage
Lab: Creating a SQL Database in Azure

7 Introduction to Containers and Serverless Computing in Azure

Implementing Windows and Linux containers in Azure
Introduction to Azure serverless computing
Lab: Implementing containers on Azure VMs

8 Configuring and Managing Azure AD

Overview of Azure AD
Manage Azure AD authentication and authorization
Lab: Create and manage Azure Active Directory