

Microsoft Azure Developer Course Outline

Part 1

- Course Overview
- Foundational Concepts
- Introduction
- Cloud Computing Services
- Supported Tooling for Azure Deployment
- Azure Data Centers
- Microsoft Azure Platform Resources
- Setting up an Azure Subscription
- Getting Started with the Azure Portal
- Creating Your First Virtual Machine
- Specific Configuration Details
- Managing Your New Azure Resource
- Automating Azure Using PowerShell

Part 2

- Building Web Applications and APIs
- Introduction
- Using Platform as a Service Features
- Introducing Azure App Services
- Creating an App Service
- App Service Plans
- Creating an App Service Plan
- Publishing to an App Service
- Working with Publishing Profiles

Part 3

- Monitoring & Scaling Web Applications and APIs
- Introduction
- Deployment Slots
- Setting up and Using a Deployment Slot
- Monitoring
- Alerts
- Scaling
- Debugging and Application Insights
- Kudu and Remote Debugging

Part 4

- Using Cloud Databases
- Introduction
- Databases in the Cloud

Setting up an Azure SQL Database
Setting up an Azure SQL Server
Selecting DTUs and Azure SQL Plans
Connecting and Querying Azure SQL
Creating a DocumentDB
Using DocumentDB
DocumentDB Metrics

Part 5

Cloud Storage
Introduction
Types of Storage
Accounts, Containers, and Blobs
Creating a Storage Account
Creating a Container
Uploading a Blob from C#
Generating a Shared Access Signature

Part 6

Functions
Introduction
Serverless Computing
Creating a Function App
Creating a Function
Function Triggers and Configuration
Inside Functions
Adding Cognitive Services
Testing a Function
Analyzing an Image

Part 7

Continuous Integration
Introduction
Visual Studio Team Services
Creating a Team Project
Setting up a Source Code Repository
Creating a Build Definition
Creating a Release Definition
Continuous Deployment in Action

Part 8

Virtual Networks

Part 9

Mobile Services

Part 10

Azure Active Directory Service