

<b>10978AC</b>	<b>Introduction to Azure for Developers</b>	<b>5 DAYS</b>	<b>SATV : YES</b>
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## Course Description

This course offers students the opportunity to learn about Microsoft Azure development by taking an existing ASP.NET MVC application and expand its functionality as part of moving it to Azure. This course focuses on developing in Azure using Storage, Cloud Services, Service Bus, Active Directory, WebSites and SQL among other features.

## Course Outline

### Module 1: Creating Modular Web Applications Using Azure

- What is a Cloud Service?
- Cloud Service Web Roles
- Configuring a Web Role
- Monitoring a Web Role

### Module 2: Processing Background Logic Using Azure

- Cloud Service Worker Roles
- Creating a Worker Role
- Configuring a Worker Role
- Caching Data Using Roles

### Module 3: Storing SQL Data in Azure

- What is Azure SQL?
- Managing Servers And Databases in Azure SQL
- Using Azure SQL with Data Tools
- Migrating Data to Azure SQL
- Using Azure SQL With Entity Framework

### Module 4: Storing non-relational data in Azure

- What is Azure Storage?
- Azure Table Storage
- Using the Azure SDK to Manipulate Data in Table Storage
- Monitoring Table Storage
- Using Table Storage in the Storage Emulator

### Module 5: Overview of Azure

- Azure Overview
- Working with the Azure platform
- Cloud Application Scenarios

### Module 6: Creating and Managing Services in Azure

- What is a Azure Service?
- Software as a Service
- Platform as a Service
- Infrastructure as a Service

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## Module 7: Managing Infrastructure in Azure

- Infrastructure in Azure
- Azure Virtual Machines

## Module 8: Creating Web Sites using Azure

- Azure Websites
- Hosting Web Applications in Azure
- Configuring an Azure Website
- Publishing an Azure Website
- Monitoring an Azure Website

## Module 9: Storing Files and Media in Azure

- Azure Blob Storage
- Applying Permissions to Blob Storage
- Using the Azure SDK to manipulate data in Blob Storage
- Monitoring BLOB Storage
- Using Blob Storage in the Storage Emulator

## Module 10: Relaying Web Services Using Azure

- Service Bus Relay
- Implementing Service Bus Relay

## Module 11: Asynchronously Notifying Applications Using Azure

- Azure Service Bus Notification Hubs
- Registering Devices with a Notification Hub
- Pushing Messages to a Notification Hub

## Module 12: Implementing Security in Web Applications using Azure

- Azure Active Directory
- Azure AD Directory
- Azure AD Access Control Service
- Azure AD Multi-Factor Authentication Provider

## Module 13: Deploying Web Applications to Azure

- Deployment Strategies for Azure Web Applications
- Deploying Web Applications Using Cloud Service Packages
- Deploying Web APPLICATIONS USING WEBDEPLOY
- Monitoring Cloud Applications

## Module 14: Developing Mobile Services using Azure

- Azure Mobile Services
- Communicating with Mobile Services
- Customizing Mobile Services
- Securing Mobile Services

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## Module 15: Storing Data in Queues Using Azure

- Overview of Queues in Azure
- Azure Queue Storage
- Using the Azure SDK to manipulate data in Queue Storage
- Monitoring Queue Storage
- What is Azure Service Bus?
- Azure Service Bus Queues
- Using the Azure SDK to Manipulate Data in Service Bus Queues