Module Title :	**AZ-200T02-A: Develop for Azure Storage**
Duration :	**1 day**

About this course

This course is part of a series of four courses to help you prepare for Microsoft's Azure Developer certification exam AZ-200: Develop Core Microsoft Azure Cloud Solutions. These courses are designed for developers who already know how to code in at least one of the Azure-supported languages.

The coursework covers developing solutions leveraging Azure Storage options including: Cosmos DB, Azure Storage tables, file storage, Blob, relational databases, and caching and content delivery networks.

Audience profile

These courses are for experienced programmers who want to develop and host solutions in Azure. Learners should have some experience with Azure and must be able to program in at least one Azure-supported language. These course focus on C#, Node.js, Azure CLI, Azure PowerShell, and JavaScript.

At course completion

After completing this course, students will be able to:

- Connect to storage in Azure
- Design and implement policies to Tables
- Create, read, update, and delete tables by using code
- Develop for Azure Redis cache and content delivery networks
- Develop solutions that use blob storage

Course Outline

Module 1: Develop solutions that use Azure Storage tables

Lessons

- Connect to Azure Storage
- Design and Implement Storage tables
- Query a table by using code

After completing this module, students will be able to:

- Connect to storage in Azure

- Design and implement policies to Tables

Module 2: Develop solutions that use Azure Cosmos DB storage Azure Cosmos DB

Lessons

- Choose the appropriate API for Cosmos DB storage
- Manage containers and items in Cosmos DB storage
- Create, read, update, and delete documents in Azure Cosmos DB by using code

Module 3: Develop solutions that use file storage

Lessons

- Implement file shares for an Azure storage account
- Migrating content to and between file shares

Module 4: Develop solutions that use a relational database

Lessons

- Create, read, update, and delete database tables by using code
- Implement SQL Dynamic Data Masking

After completing this module, students will be able to:

- Create, read, update, and delete tables by using code

Module 5: Develop solutions that use Microsoft Azure Blob storage

Lessons

- Create a Shared Access Signature for a blob
- Asynchronously move items in Blob storage between containers
- Set Blob storage container properties in metadata

After completing this module, students will be able to:

- Develop solutions that use blob storage

Module 6: Develop for caching and content delivery solutions

Lessons

- Azure Redis Cache
- Develop for storage on CDNs

After completing this module, students will be able to:

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- Develop for Azure Redis cache and content delivery networks