

# GETTING STARTED WITH AZURE COSMOS DB NOSQL DEVELOPMENT (DP-3015)

Course Code: 834032

Learn to utilize Azure Cosmos DB for NoSQL API and SDK.

This course teaches developers to utilize Azure Cosmos DB for NoSQL API and SDK. Students will learn query execution, resource configuration, SDK operations, and design strategies for non-relational data modeling and data partitioning.

## What You'll Learn

- Get started with Azure Cosmos DB for NoSQL
- Plan and implement Azure Cosmos DB for NoSQL
- Connect to Azure Cosmos DB for NoSQL with the SDK
- Access and manage data with the Azure Cosmos DB for NoSQL SDKs
- Execute queries and build a Generative AI application with Azure Cosmos DB
- Define and implement an indexing strategy for Azure Cosmos DB for NoSQL
- Integrate Azure Cosmos DB for NoSQL with Azure services
- Implement a data modeling and partitioning strategy for Azure Cosmos DB for NoSQL
- Design and implement a replication strategy for Azure Cosmos DB for NoSQL
- Optimize query and operation performance in Azure Cosmos DB for NoSQL
- Monitor and troubleshoot an Azure Cosmos DB for NoSQL solution
- Manage an Azure Cosmos DB for NoSQL solution using DevOps practices
- Create server-side programming constructs in Azure Cosmos DB for NoSQL

## Who Needs to Attend

Software engineers tasked with authoring cloud-native solutions that leverage Azure Cosmos DB for NoSQL and its various SDKs. They are familiar with C# programming. They also have experience writing code that interacts with a SQL or NoSQL database platform.

## Prerequisites

SQL & Database

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CLASSROOM LIVE

\$675 CAD

1 Day

## Classroom Live Outline

- Module 1: Get started with Azure Cosmos DB for NoSQL
  - ✕ Introduction to Azure Cosmos DB for NoSQL Try Azure Cosmos DB for NoSQL
- Module 2: Plan and implement Azure Cosmos DB for NoSQL
- Module 3: Connect to Azure Cosmos DB for NoSQL with the SDK
- Module 4: Access and manage data with the Azure Cosmos DB for NoSQL SDKs
- Module 5: Execute queries and build a Generative AI application with Azure Cosmos DB
- Module 6: Define and implement an indexing strategy for Azure Cosmos DB for NoSQL
- Module 7: Integrate Azure Cosmos DB for NoSQL with Azure services
- Module 8: Implement a data modeling and partitioning strategy for Azure Cosmos DB for NoSQL
- Module 9: Design and implement a replication strategy for Azure Cosmos DB for NoSQL
- Module 10: Optimize query and operation performance in Azure Cosmos DB for NoSQL
- Module 11: Monitor and troubleshoot an Azure Cosmos DB for NoSQL solution
- Module 12: Manage an Azure Cosmos DB for NoSQL solution using DevOps practices
- Module 13: Create server-side programming constructs in Azure Cosmos DB for NoSQL

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VIRTUAL CLASSROOM LIVE

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1 Day

## Virtual Classroom Live Outline

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- Module 6: Define and implement an indexing strategy for Azure Cosmos DB for NoSQL
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Jun 26 - 26, 2026 | 9:00 AM - 5:00 PM EDT

Sep 18 - 18, 2026 | 9:00 AM - 5:00 PM EDT

Nov 23 - 23, 2026 | 9:00 AM - 5:00 PM EST



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PRIVATE GROUP TRAINING

1 Day

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