

# Microsoft - Migrate NoSQL workloads to Azure Cosmos DB

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<b>Code:</b>	DP-060T00
<b>Length:</b>	1 days
<b>URL:</b>	<a href="#">View Online</a>

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This course will teach the students what is Cosmos DB and how you can migrate MongoDB and Cassandra workloads to Cosmos DB.

## Skills Gained

At the end of this course, the students will have learned:

- Building Globally Distributed Applications with Cosmos DB
- Migrate MongoDB Workloads to Cosmos DB
- Migrate Cassandra DB Workloads to Cosmos DB

## Who Can Benefit

The primary audience for this course is database developers who plan to migrate their MongoDB or Cassandra DB workloads to Azure using Cosmos DB.

## Prerequisites

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

The fundamental concepts of partitioning, replication, and resource governance for building and configuring scalable NoSQL applications that are agnostic of a Cosmos DB API.

## Course Details

### Outline

Module 1: Building Globally Distributed Applications with Cosmos DB

This module describes the benefits and architecture of Cosmos DB.

Lessons

- Cosmos DB overview
- Cosmos DB APIs
- Provisioning Throughput

- Partitioning/Sharding Best Practices

Lab : Creating a Cosmos DB Database

- Create Cosmos DB Account
- Configure RUs

At the end of this module, the students will be able to describe:

- Cosmos DB overview
- Cosmos DB APIs
- Provisioning Throughput
- Partitioning/Sharding Best Practices

Module 2: Migrate MongoDB Workloads to Cosmos DB

Migrate MongoDB Workloads to Cosmos DB

Lessons

- Understand Migration Benefits
- Migration Planning
- Data Migration
- Application Migration
- Post-migration considerations

Lab : Migrating MongoDB Workloads to Cosmos DB

- Create a Migration Project
- Define Source and Target
- Perform Migration
- Verify Migration

At the end of this module, the students will be able to:

- Understand Migration Benefits
- Perform Migration Planning
- Perform Data Migration
- Perform Application Migration
- Undertake Post-migration considerations

Module 3: Migrate Cassandra DB Workloads to Cosmos DB

This module describes the benefits and process of migrating Cassandra DB workloads to Cosmos DB.

Lessons

- Understand Migration Benefits
- Migration Planning
- Data Migration
- Application Migration
- Post-migration considerations

Lab : Migrating Cassandra DB Workloads to Cosmos DB

- Export the Schema
- Move Data Using CQLSH COPY
- Move Data Using Spark
- Verify Migration

At the end of this module, the students will be able to:

- Understand Migration Benefits
- Perform Migration Planning
- Perform Data Migration
- Perform Application Migration
- Undertake Post-migration considerations

Additional Reading There is no additional reading required to take this course.

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## Schedule (as of 3 )

Date	Location
Sep 9, 2022 - Sep 9, 2022	<a href="#">iMVP</a> <a href="#">Enroll</a>

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