

## DP-060 Migrate NoSQL workloads to Azure Cosmos DB

[To customize this class, call 800-453-5961 or click here to contact us](#)

### Course Overview

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

### Audience profile

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

### Skills gained

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

### Prerequisites

Successful students start this role with a fundamental knowledge of cloud computing concepts and professional experience in configuring NoSQL applications.

Specifically:

- The fundamental concepts of partitioning, replication, and resource governance for building and configuring scalable NoSQL applications that are agnostic of Cosmos DB API.
- Experience with Azure, such as deploying and managing resources

To gain these skills, take the following free online training before attending the course:

- [Azure Data Fundamentals](#)
- [Core cloud services – Azure compute options](#)
- [Case studies: NoSQL databases and cloud object storage](#)

### Course 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

· 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.

We look forward to your great success!!!