

DP-060: Migrate NoSQL Workloads To Azure Cosmos DB



Days: 1

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.

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

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

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

AFTER COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO:

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

MODULE 2: 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

AFTER COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO:

- Understand Migration Benefits
- Perform Migration Planning

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- 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

AFTER COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO:

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