Migrate NoSQL workloads to Azure Cosmos DB (DP-060T00)

Modality: Virtual Classroom

Duration: 1 Day

If you enroll in this course at the listed price, you receive a Free Official Exam Voucher for the DP-060 Exam. This course does not include Exam Voucher if enrolled within the Master Subscription, however, you can request to purchase the Official Exam Voucher separately.

About this course:

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

Course Objectives:

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

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.

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 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
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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:

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