

DP-060T00: Migrate NoSQL workloads to Azure Cosmos DB Training

Duration: 1 Day

Course Content:

DP-060T00: Migrate NoSQL workloads to Azure Cosmos DB training is designed to help professionals develop a better understanding of Cosmos DB. It teaches the right methodologies to migrate Cassandra and MongoDB workloads to Cosmo DB. Our enterprise training program is best for organizations and companies. It teaches to develop globally distributed apps with Cosmos DB and execute application migration more efficiently. This course guides to export the schema and move data with the help of CQLSH COPY. DP-060T00: Migrate NoSQL workloads to Azure Cosmos DB are ideal for database developers who are planning to migrate their Cassandra DB or MongoDB workloads to Azure using Cosmos DB. By the end of the training program, trainees will understand migration benefits, perform data migration, and undertake post-migrations considerations.

This training is designed based on the objectives of the course variant DP-060T00-A.

Prerequisites for this training

Additionally, as per the professional experience students who wish to attend this training should be expertise in following technical knowledge:

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

Who should attend this course?

The target audience for this training course is database developers who wish to migrate their Cassandra DB workloads or MongoDB workloads to Microsoft Azure by utilizing Cosmos DB.

What you will learn

- Migrating Cassandra DB Workloads to Cosmos DB.
- Migrating MongoDB Workloads to Cosmos DB.
- How to build distributed application across the globe with Cosmos DB.

Curriculum

Module 1: Building Globally Distributed Applications with Cosmos DB

This module describes the benefits and architecture of Cosmos DB.

Lesson

- 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

Lesson

- 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.

Lesson

- 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