

Migrate NoSQL workloads to Azure Cosmos DB

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

Détails

- **Code** : Azure-NSQL
- **Durée** : 1 jour (7 heures)

Public

- Administrateurs
- Administrateurs de bases de données
- Administrateurs de Cloud
- Administrateurs de data warehouse
- Administrateurs Linux
- Administrateurs systèmes
- Administrateurs systèmes et réseaux
- Administrators

Pré-requis

- NoSQL knowledges

Objectifs

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

Programme

Module 1: Building Globally Distributed Applications with Cosmos DB

- Description
 - 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

- Description
 - 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

- Description
 - 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

Modalités

- **Type d'action** :Acquisition des connaissances
- **Moyens de la formation** :Formation présentielle – 1 poste par stagiaire – 1 vidéo projecteur – Support de cours fourni à chaque stagiaire
- **Modalités pédagogiques** :Exposés – Cas pratiques – Synthèse
- **Validation** :Exercices de validation – Attestation de stages