Azure Cosmos DB for MongoDB

3500 XP

4 hr 40 min • Learning Path4 Modules

Intermediate | Developer | Azure Cosmos DB

In the following modules, we will introduce the Azure Cosmos DB for MongoDB account. We will learn how to add Azure Cosmos DB databases, collections and documents to the account. We will discuss the importance of using the proper model, sharding and indexing designs to ensure the best performance of the collections. You will also learn about the migration from and existing MongoDB database to Azure Cosmos DB. Finally, Azure Cosmos DB replication and monitoring will be covered. These modules should give you a good introduction on how to design and manage an Azure Cosmos DB for MongoDB account. Time to get started.

Prerequisites

Before starting this module, you should have experience of building cloud applications with JavaScript, Java, Python, C# or a similar programming language.

Start >   ⊕ **Add**

Modules in this learning path

Get started with the MongoDB API in Azure Cosmos DB

900 XP

1 hr 3 min • Module8 Units

This Module introduces Azure Cosmos DB for MongoDB accounts. It helps you get started, create your first objects and connect to your account.

Start >

Overview ⌃

> **Introduction to the MongoDB API in Azure Cosmos DB**
>
> 4 min

> **Azure Cosmos DB for MongoDB API versions**
>
> 2 min

> **Create an account, database and collection using Azure Cosmos DB for MongoDB**
>
> 8 min

> **Connect and query with an Azure Cosmos DB for MongoDB**
>
> 2 min

> **Capacity estimation using the Azure Cosmos DB Capacity Calculator**
>
> 5 min

> **Exercise - Create a MongoDB DB app using the Azure Cosmos DB for MongoDB**
>
> 35 min

> **Knowledge check**
>
> 5 min

> **Summary**
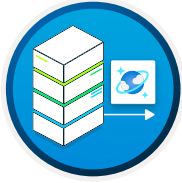>
> 2 min

⊕ **Add**

Design an Azure Cosmos DB for MongoDB database

800 XP

50 min • Module7 Units

This module will introduce Azure Cosmos DB modeling, shard keys and indexing concepts. We will also discuss Azure Cosmos DB for MongoDB collection's support for MongoDB aggregation pipelines.

Overview ⌄

⊕ **Add**

Migrate a MongoDB database to Azure Cosmos DB

900 XP

1 hr 19 min • Module8 Units

In this module we will learn several ways to migrate existing MongoDB databases to Azure Cosmos DB for MongoDB.

Overview ⌄

⊕ **Add**

Replicate and monitor an Azure Cosmos DB for MongoDB account

900 XP

1 hr 28 min • Module8 Units

This module will introduce replication, consistency Levels, and Azure monitoring for Azure Cosmos DB.

Overview ⌄

⊕ **Add**