Developing Planet-Scale Applications in Azure Cosmos DB

Modality: On Demand

Duration: 12 Hours

About this course:

In case you're aware of NoSQL in Azure and the powerful non-relational data storage options of the platform, go ahead! Join us for a top to bottom gander at developing the applications of NoSQL in super-adaptable Azure Cosmos DB, the distributed, multi-model database from MS that replicates your data transparently everywhere your clients are. Find out about its expansive, worldwide scale capacities and features. At that point, go further into some of the APIs accessible in Azure Cosmos DB for storing various types of NoSQL information.

We'll begin with a look at normal ideas, including worldwide replications, partitioning plans, security, hierarchy, and more, as you figure out how to build up a key/value, document, or diagram databases with Cosmos DB using a progression of famous APIs and programming models.

Besides, we'll work with the specifics of API for Gremlin, DocumentDB, Tables, and MongoDB and finish up with a glance at practical visualizations, integrations, and analyses, for example, Azure Search, Spark Connector, and Stream Analytics.

The normal compensation for an Azure Cosmos Developer is $112,000 every year.

Course Objective:

- Structured data storage using the Tables API
- Overview of Azure Cosmos DB
- Configuring Azure Cosmos DB
- Core features & capabilities of Azure Cosmos DB
- Databases Development with the DocumentDB API
- Overview of the SQL API
- Common Operations
- Programmability and Advanced Features
- Make graph databases with the Gremlin API
- Create databases utilizing the MongoDB API
- Integrate Cosmos DB into other services of database

Audience:

Azure Developer

SQL

Prerequisite:

Students should have elementary application development skills.

Course Outline:

Introducing Azure Cosmos DB

- Overview of Azure Cosmos DB
- Architecture
- Configuring Azure Cosmos DB

SQL API

- Overview of the SQL API
- Common Operations
- Programmability
- Advanced Features

Graph API

- Overview of the Graph API
- Graph Creation
- Graph Traversal

MongoDB API

- Overview
- Common Operations
- Advanced
- Lab

Tables API

- Overview
- Common Operations

Integrations

- Azure Search
- Apache Spark Connecr
- Azure Functions

Final LAB

- Skill Lab
- Scenario Lab
- Validation
- Cleanup

Final Evaluation

- Exam
- Wrap-up