Microsoft Cloud Workshop: Cosmos DB Real Time Advanced Analytics (MS-40557)

Modality: Virtual Classroom

Duration: 1 Day

SATV Value: 1

CLC:

NATU:

SUBSCRIPTION: Master

About this course:

In the Microsoft Cloud Workshop, you will learn how to design and implement a data pipeline solution, which influences the Cosmos DB for the scalable streaming data and the global distribution of saved data with Machine learning algorithms. The data solution leverages the Cosmos DB that changes the data feed in concert with the Azure Databricks Delta to implement a data warehouse solution, which can be used to reduce the risk of fraudulent transactions in an offline and real-time approach.

An Azure Engineer earns $130,000 on average per year.

Course Objective:

At the end of the course, students shall be able to:

- Implement and design solutions that take advantage of the Cosmos BD strengths for the support of analytical solutions, which require high throughput ingest and low latency.
- Capability to combine Machine Learning solutions with big data and real-world processing capabilities

Audience:

The target audience for this course is:

- IT and cloud professionals who are responsible for architectural infrastructure
- Cloud architectures who design solutions using cloud technologies
- Cloud experts who are seeking more knowledge of Azure and its services.

Prerequisite:

Candidates enrolling for the workshop should have some hands-on experience of non-Microsoft cloud technologies and should be willing to train on Azure.

Course Outline:

Module 1: Whiteboard Design Session - Cosmos DB real-time advanced analytics

Lessons

- Review the customer case study
- Design a proof of concept solution
- Present the solution

Module 2: Hands-on Lab - Cosmos DB real-time advanced analytics

Lessons

- Collecting streaming transaction data
- Understanding and preparing the transaction data at scale
- Creating and evaluating fraud models
- Scaling globally
- Reporting