DP-203T00: Data Engineering on Microsoft Azure

Course Description

In this course, the student will learn how to implement and manage data engineering workloads on Microsoft Azure, using Azure services such as Azure Synapse Analytics, Azure Data Lake Storage Gen2, Azure Stream Analytics, Azure Databricks, and others. The course focuses on common data engineering tasks such as orchestrating data transfer and transformation pipelines, working with data files in a data lake, creating and loading relational data warehouses, capturing and aggregating streams of real-time data, and tracking data assets and lineage.

Course Duration

4 days

Prerequisites

Successful students start this course with knowledge of cloud computing and core data concepts and professional experience with data solutions.

Specifically completing:

- AZ-900 - Azure Fundamentals
- DP-900 - Microsoft Azure Data Fundamentals

Course Outline

- Get started with data engineering on Azure
- Build data analytics solutions using Azure Synapse serverless SQL pools
- Perform data engineering with Azure Synapse Apache Spark Pools
- Transfer and transform data with Azure Synapse Analytics pipelines
- Implement a Data Analytics Solution with Azure Synapse Analytics
- Work with Data Warehouses using Azure Synapse Analytics
- Work with Hybrid Transactional and Analytical Processing Solutions using Azure Synapse Analytics
- Implement a Data Streaming Solution with Azure Stream Analytics
- Implement a data lakehouse analytics solution with Azure Databricks

Who Should Attend

The primary audience for this course is data professionals, data architects, and business intelligence professionals who want to learn about data engineering and building analytical solutions using data platform technologies that exist on Microsoft Azure. The secondary audience for this course includes data analysts and data scientists who work with analytical solutions built on Microsoft Azure.