DP-601T00: Implement a Lakehouse with Microsoft Fabric

Days: 1

Prerequisites: You should be familiar with basic data concepts and terminology.

Audience: This course is intended for data analysts, data engineers and data scientists.

Description: This course is designed to build your foundational skills in data engineering on Microsoft Fabric, focusing on the Lakehouse concept. This course will explore the powerful capabilities of Apache Spark for distributed data processing and the essential techniques for efficient data management, versioning, and reliability by working with Delta Lake tables. This course will also explore data ingestion and orchestration using Dataflows Gen2 and Data Factory pipelines. This course combines lectures and hands-on exercises to prepare you to work with Lakehouses in Microsoft Fabric.

Course Objectives: This workshop teaches students how to:
- Implement a lakehouse in Microsoft Fabric

OUTLINE:

LESSON 1: INTRODUCTION TO END-TO-END ANALYTICS USING MICROSOFT FABRIC

LESSON 2: GET STARTED WITH LAKEHOUSES IN MICROSOFT FABRIC

LESSON 3: USE APACHE SPARK IN MICROSOFT FABRIC

LESSON 4: WORK WITH DELTA LAKE TABLES IN MICROSOFT FABRIC

LESSON 5: INGEST DATA WITH DATAFLOWS GEN2 IN MICROSOFT FABRIC

LESSON 6: ORCHESTRATE PROCESSES AND DATA MOVEMENT WITH MICROSOFT FABRIC

LESSON 7: ORGANIZE A FABRIC LAKEHOUSE USING MEDALLION ARCHITECTURE DESIGN