Training: Microsoft
# DP-601T00: Implement a Lakehouse with Microsoft Fabric

Microsoft Partner

## TRAINING GOALS:

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.

**Audience Profile**:
The primary audience for this course is data professionals who are familiar with data modeling, extraction, and analytics. It is designed for professionals who are interested in gaining knowledge about Lakehouse architecture, the Microsoft Fabric platform, and how to enable end-to-end analytics using these technologies.

**Skills earned upon completion**:
- Implement a lakehouse in Microsoft Fabric

## CONSPECT:

- Implement a Lakehouse with Microsoft Fabric
  - Module 1: Introduction to end-to-end analytics using Microsoft Fabric
  - Module 2: Get started with lakehouses in Microsoft Fabric
  - Module 3: Use Apache Spark in Microsoft Fabric
  - Module 4: Work with Delta Lake tables in Microsoft Fabric
  - Module 5: Ingest Data with Dataflows Gen2 in Microsoft Fabric
  - Module 6: Orchestrate processes and data movement with Microsoft Fabric
  - Module 7: Organize a Fabric lakehouse using medallion architecture design

## REQUIREMENTS:

Before starting this learning path, familiarity with the Microsoft Fabric interface and core concepts is recommended.



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## Difficulty level



## CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

## TRAINER:

Microsoft Certified Trainer (MCT)



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