

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

*COURSE CONTENT*

## GET IN TOUCH



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## About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

## About Course

The DP-601T00: Implementing a Lakehouse with Microsoft Fabric Training offered by Multisoft Systems is a specialized course designed to equip IT professionals with the skills necessary to build and manage a Lakehouse architecture effectively using Microsoft Fabric. This training provides a deep dive into the integration of data lake and data warehouse capabilities, allowing for optimized data storage, processing, and analytics.

## **Module 1: Introduction to end-to-end analytics using Microsoft Fabric**

- ✓ Introduction to Microsoft Fabric
- ✓ Data teams and Fabric
- ✓ Enable and use Microsoft Fabric

## **Module 2: Get started with Lakehouses in Microsoft Fabric**

- ✓ What is a Lakehouse
- ✓ Work with a Fabric Lakehouse
- ✓ Explore, transform and visualize data in the Lakehouse

## **Module 3: Use Apache Spark in Microsoft Fabric**

- ✓ Prepare to use Apache Spark
- ✓ Run Spark in Fabric
- ✓ Load data in a Spark DataFrame
- ✓ Transform data in a Spark DataFrame
- ✓ Partition the output file
- ✓ Work with data using Spark SQL
- ✓ Query Data using Spark SQL API
- ✓ Visualize Data

## **Module 4: Work with Delta Lake tables in Microsoft Fabric**

- ✓ Understand Delta Lake
- ✓ Create delta tables using code in Spark
- ✓ Managed vs External Tables
- ✓ Work with delta tables in Spark
- ✓ Data versioning and Time Travel
- ✓ Use delta tables with Streaming data

## **Module 5: Ingest Data with Dataflows Gen2 in Microsoft Fabric**

- ✓ Understand Dataflows (Gen2)
- ✓ Dataflow (Gen2) benefits and limitations
- ✓ Explore Dataflows (Gen2) in Microsoft Fabric
- ✓ Integrate Dataflows (Gen2) and Pipelines in Microsoft Fabric

## **Module 6: Use Data Factory pipelines in Microsoft Fabric**

- ✓ Pipelines in Microsoft Fabric
- ✓ Common Activities – Copy Data
- ✓ Common Activities – pipeline templates
- ✓ Run and monitor pipelines