DP-700T00: Microsoft Fabric Data Engineer Course

Course Duration: 32 Hrs. **Course code: DP-700T00**

Course Overview

The DP-700T00: Microsoft Fabric Data Engineer Course is designed to help learners master the skills required to design, build, and manage data solutions using Microsoft Fabric. This course covers data ingestion, transformation, integration, and storage while leveraging Fabric's advanced analytics capabilities. Learners will explore real-world scenarios, implement data pipelines, and optimize solutions for analytics and reporting. By the end of this course, participants will be prepared to work efficiently as data engineers in a modern cloud-based environment.

What you'll learn?

- Understand Microsoft Fabric architecture and components.
- Ingest and transform data from multiple sources.
- Design and implement data pipelines using Fabric Dataflows.
- Work with Lakehouse and Data Warehouses in Fabric.
- Optimize data models for reporting and analytics.
- Ensure governance, security, and compliance in data solutions.
- Collaborate with data analysts and business users for BI solutions.

Target Audience

- Data Engineers and Data Developers.
- Business Intelligence (BI) Professionals.
- Database Administrators work with cloud-based solutions.
- Analytics professionals seeking to expand into Microsoft Fabric.
- IT professionals are transitioning into data engineering roles.

Pre-Requisites

- Basic understanding of databases, data modeling, and ETL concepts.
- Familiarity with Microsoft Azure services (preferred).
- Knowledge of Power BI is helpful but not mandatory.

Course Content

Module 1: Introduction to Microsoft Fabric and its Data Engineering Capabilities

Module 2: Ingesting and Transforming Data with Dataflows and Pipelines

Module 3: Designing and Managing Lakehouses in Microsoft Fabric

Module 4: Implementing and Optimizing Data Warehouses for Analytics

Module 5: Data Governance, Security, and Compliance in Fabric

Module 6: Building End-to-End Analytics Solutions with Fabric

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