

Implement data engineering solutions using Microsoft Fabric

Courses Code: DP-700T00

Duration: 4 Days

Delivery Mode: Instructor-led Training (ILT) | Virtual Instructor led Training (VILT)

Overview

This course covers methods and practices to implement data engineering solutions by using Microsoft Fabric. Students will learn how to design and develop effective data loading patterns, data architectures, and orchestration processes. Objectives for this course include ingesting and transforming data and securing, managing, and monitoring data engineering solutions. This course is designed for data professionals with some data integration and orchestration experience.

Skills Covered

- Ingest data with Microsoft Fabric
- Implement a lakehouse in Microsoft Fabric
- Implement real-time intelligence with Microsoft Fabric
- Implement a data warehouse with Microsoft Fabric
- Manage an environment in Microsoft Fabric

Who Should Attend

This audience for this course is data professionals with experience in data extraction, transformation, and loading. DP-700 is designed for professionals who need to create and deploy data engineering solutions using Microsoft Fabric for enterprise-scale data analytics. Learners should also have experience at manipulating and transforming data with one of the following programming languages: Structured Query Language (SQL), PySpark, or Kusto Query Language (KQL).

Prerequisites

- Foundational understanding of data concepts
- Experience with Microsoft Azure or Fabric is beneficial

Course Modules

1. Ingest data with Microsoft Fabric

Explore how Microsoft Fabric enables you to ingest and orchestrate data from various sources (such as files, databases, or web services) through dataflows, notebooks, and pipelines.



2. Implement a Lakehouse with Microsoft Fabric

This learning path introduces the foundational components of implementing a data lakehouse with Microsoft Fabric.

3. Implement Real-Time Intelligence with Microsoft Fabric

Real-time intelligence in Microsoft Fabric enables analysis of streaming events in real or near-real time.

4. Implement a data warehouse with Microsoft Fabric

Explore the data warehousing process and learn how to load, monitor, secure, and query a warehouse in Microsoft Fabric.

5. Manage a Microsoft Fabric environment

Microsoft Fabric is a Software-as-a-Service platform for data analytics. Learn how to manage your environment through Continuous Integration/Continuous Deployment (CI/CD), monitoring, and security.

6. Use Activator in Microsoft Fabric

Fabric Activator is an event detection engine that automatically triggers actions when specific patterns or conditions are detected in data sources.

Ref: <https://trainocate.com/courses/microsoft/dp-700t00-microsoft-fabric-data-engineer-training>

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