Training: Microsoft

DP-700T00: Implement data engineering solutions using Microsoft Fabric

Microsoft Partner

TRAINING GOALS:

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 include ingesting and transforming data and securing, managing, and monitoring data engineering solutions.

Audience Profile:
This audience 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 SQL, PySpark, or KQL.

Skills earned upon completion:

- 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

CONSPECT:

- Ingest data with Microsoft Fabric
  - Module 1: Ingest Data with Dataflows Gen2 in Microsoft Fabric
  - Module 2: Orchestrate processes and data movement with Microsoft Fabric
  - Module 3: Use Apache Spark in Microsoft Fabric
  - Module 4: Work with real-time data in an Eventhouse in Microsoft Fabric
- 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

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- 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

- Implement Real-Time Intelligence with Microsoft Fabric
  - Module 1: Get started with Real-Time Intelligence in Microsoft Fabric
  - Module 2: Use Eventstream in Microsoft Fabric
  - Module 3: Work with real-time data in an Eventhouse in Microsoft Fabric
  - Module 4: Create Real-Time Dashboards with Microsoft Fabric
  - Module 5: Use Activator in Microsoft Fabric
- Implement a data warehouse with Microsoft Fabric
  - Module 1: Introduction to end-to-end analytics using Microsoft Fabric
  - Module 2: Get started with data warehouses in Microsoft Fabric
  - Module 3: Load data into a Microsoft Fabric data warehouse
  - Module 4: Query a data warehouse in Microsoft Fabric
  - Module 5: Get started with Copilot in Microsoft Fabric for Data Warehouse
  - Module 6: Monitor a Microsoft Fabric data warehouse
  - Module 7: Secure a Microsoft Fabric data warehouse
- Manage a Microsoft Fabric environment
  - Module 1: Implement continuous integration and continuous delivery (CI/CD) in Microsoft Fabric
  - Module 2: Monitor activities in Microsoft Fabric
  - Module 3: Secure data access in Microsoft Fabric
  - Module 4: Administer a Microsoft Fabric environment

REQUIREMENTS:

Experience in data extraction, transformation, and loading. Experience manipulating and transforming data with SQL, PySpark, or KQL.

Difficulty level

CERTIFICATE:

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

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This course will help prepare you for the **Microsoft Certified: Fabric Data Engineer Associate** certification exam (Exam DP-700), which is available through the Pearson VUE test centers.

TRAINER:

Microsoft Certified Trainer (MCT)

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