Document Generated: 11/11/2026

Learning Style: Virtual Classroom

Technology: Microsoft

Difficulty: Beginner

Course Duration: 1 Day

Implement a Data Warehouse with Microsoft Fabric (DP-602)



About This Course:

This course provides in-depth training on designing, implementing, and managing data warehouses using Microsoft Fabric. Participants will learn to integrate data from various sources, optimize storage, and implement robust ETL processes. The course also covers analytics, security, and performance tuning to empower professionals to build scalable and efficient data warehouse solutions tailored to

business needs.

Course Objectives:

- Design and implement a scalable data warehouse using Microsoft Fabric.
- Integrate data from multiple sources using Fabric’s ETL processes.
- Develop and optimize data models and schema structures for efficient querying.
- Leverage Microsoft Fabric tools for advanced analytics, reporting, and visualization.
- Implement data security, governance, and compliance measures within the warehouse.
- Optimize storage and performance for large-scale data processing.
- Troubleshoot and resolve common data integration and warehouse management issues.
- Enable business intelligence capabilities to support data-driven decision-making.
- Maintain and manage the data warehouse for long-term operational efficiency.

Audience:

- Data Engineers: Seeking to design and implement scalable data warehouse solutions using Microsoft Fabric.
- Database Administrators: Looking to manage and optimize modern data warehousing environments.
- Business Intelligence (BI) Professionals: Interested in enabling data-driven insights through advanced reporting and analytics.
- Data Analysts: Focused on understanding and leveraging data warehouse architecture for querying and visualization.
- IT Professionals: Wanting to enhance their skills in data integration, transformation, and storage optimization.

Prerequisites:

- You should be familiar with basic data concepts and terminology.

Course Outline:

- Get started with data warehouses in Microsoft Fabric
- Load data into a Microsoft Fabric data warehouse
- Query a data warehouse in Microsoft Fabric
- Monitor a Microsoft Fabric data warehouse
- Secure a Microsoft Fabric data warehouse