Implement a Data Warehouse with Microsoft Fabric Training

Duration: **1 Day**

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Overview

This one-day instructor-led course provides data professionals with the knowledge and practical skills required to implement and work with data warehouses in Microsoft Fabric. Aligned with the Microsoft DP-602 Applied Skills curriculum, the course focuses on creating, loading, querying, monitoring and securing Microsoft Fabric Data Warehouses using built-in Fabric tools and T-SQL.

Through a combination of instructor-led learning and hands-on labs, learners explore warehouse creation, data loading strategies, query development and monitoring capabilities. By the end of the course, participants will be able to confidently implement and manage Microsoft Fabric Data Warehouses to support analytical workloads and business reporting requirements.

Prerequisites

Participants should have:

- A basic understanding of data analytics and data warehousing concepts.
- Experience working with relational databases and SQL.
- Familiarity with Microsoft Fabric or Azure data services is recommended.
- An understanding of data modelling principles.
- Familiarity with basic data integration concepts is beneficial.

Target audience

This course is designed for:

- Data engineers implementing Microsoft Fabric solutions.
- Analytics engineers working with modern data warehouse platforms.
- Database professionals transitioning to Microsoft Fabric.
- Data professionals responsible for loading, querying and managing analytical data.
- Professionals preparing for the Microsoft Applied Skills credential: Implement a Data Warehouse with Microsoft Fabric.

What You Will Learn

By the end of this course, learners will be able to:

- Create and configure Microsoft Fabric Data Warehouses.
- Load and transform data using Data Pipelines, Dataflow Gen2 and T-SQL.
- Query warehouse data using T-SQL and Fabric query tools.
- Monitor warehouse performance, activity and capacity utilisation.
- Implement warehouse security using Row-Level Security, Column-Level Security and Dynamic Data Masking.
- Apply Microsoft best practices when managing and securing Microsoft Fabric Data Warehouses.