DP-602T00: Implement a Data Warehouse with Microsoft Fabric

Course ID #: 7000-931-ZZ-Z

Hours: 7

Course Content

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

Prerequisites:
You should be familiar with basic data concepts and terminology.

Topics:

Lesson 1: Get started with data warehouses in Microsoft Fabric
- Introduction
- Understand data warehouse fundamentals
- Understand data warehouses in Fabric
- Query and transform data
- Prepare data for analysis and reporting
- Secure and monitor your data warehouse
- Exercise - Analyze data in a data warehouse
- Knowledge check
- Summary

Lesson 2: Load data into a Microsoft Fabric data warehouse
- Introduction
- Explore data load strategies
- Use data pipelines to load a warehouse
- Load data using T-SQL
- Load and transform data with Dataflow Gen
- Exercise: Load data into a warehouse in Microsoft Fabric
- Knowledge check
- Summary

Lesson 3: Query a data warehouse in Microsoft Fabric
- Introduction
- Use the SQL query editor
- Explore the visual query editor
- Use client tools to query a warehouse
- Exercise: Query a data warehouse in Microsoft Fabric
- Knowledge check
- Summary

Lesson 4: Monitor a Microsoft Fabric data warehouse
- Introduction
- Monitor capacity metrics
- Monitor current activity
- Monitor queries
- Exercise - Monitor a data warehouse in Microsoft Fabric
- Knowledge check
- Summary

Lesson 5: Secure a Microsoft Fabric data warehouse

- Introduction
- Explore dynamic data masking
- Implement row-level security
- Implement column-level security
- Configure SQL granular permissions using T-SQL
- Exercise: Secure a warehouse in Microsoft Fabric
- Knowledge check
- Summary