

DP 602- Implement a Data Warehouse with Microsoft Fabric

Days: 1

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

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

OUTLINE:

LESSON 1 - INTRODUCTION TO END-TO-END ANALYTICS USING MICROSOFT FABRIC

- Explore end-to-end analytics with Microsoft Fabric
- Explore data teams and Microsoft Fabric
- Enable and use Microsoft Fabric
- Module assessment

LESSON 2 - GET STARTED WITH DATA WAREHOUSES IN MICROSOFT FABRIC

- Understand data warehouses
- Understand data warehouses in Fabric
- Query and transform data
- Model data in a warehouse
- Secure and monitor a warehouse
- Module assessment

LESSON 3 - LOAD DATA INTO A MICROSOFT FABRIC DATA WAREHOUSE

- Explore data load strategies
- Use data pipelines to load a warehouse
- Load data using T-SQL
- Load and transform data with Dataflow Gen2
- Module assessment

LESSON 4 - QUERY A DATA WAREHOUSE IN MICROSOFT FABRIC

- Query data
- Use the SQL query editor
- Explore the visual query editor
- Use client tools to query a warehouse
- Module assessment

LESSON 5 - GET STARTED WITH COPILOT IN MICROSOFT FABRIC FOR DATA WAREHOUSE

- Use Copilot code completion in Microsoft Fabric's Data Warehouse
- Use Copilot chat in Microsoft Fabric's Data Warehouse
- Use Copilot quick actions in Microsoft Fabric's Data Warehouse

- Review best practices using Copilot in Microsoft Fabric's Data Warehouse
- Module assessment

LESSON 6 - MONITOR A MICROSOFT FABRIC DATA WAREHOUSE

- Monitor capacity metrics
- Monitor current activity
- Monitor queries
- Module assessment

LESSON 7 - SECURE A MICROSOFT FABRIC DATA WAREHOUSE

- Explore dynamic data masking
- Implement row-level security
- Implement column-level security
- Configure SQL granular permissions using T-SQL
- Module assessment