APPLIED SKILLS

Implement a data warehouse with Microsoft Fabric

Duration	SKILL LEVEL	DELIVERY METHOD	Role	TECHNOLOGY
1	Beginner	VILT/ILT	Data Analyst	Data & AI

Course Overview

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

This learning path helps prepare you for Exam DP-600: Implementing Analytics Solutions Using Microsoft Fabric.

Prerequisites

You should be familiar with basic data concepts and terminology.

Prepare for the assessment.

Module 1: Get started with data warehouses in Microsoft Fabric

Data warehouses are analytical stores built on a relational schema to support SQL queries. Microsoft Fabric enables you to create a relational data warehouse in your workspace and integrate it easily with other elements of your end-to-end analytics solution.

Learning objectives

In this module, you'll learn how to:

- Describe data warehouses in Fabric
- Understand a data warehouse vs a data Lakehouse

- Work with data warehouses in Fabric
- Create and manage fact tables and dimensions within a data warehouse

Module 2: Load data into a Microsoft Fabric data warehouse

Data warehouse in Microsoft Fabric is a comprehensive platform for data and analytics, featuring advanced query processing and full transactional T-SQL capabilities for easy data management and analysis.

Learning objectives

In this module, you'll:

- Learn different strategies to load data into a data warehouse in Microsoft Fabric.
- Learn how to build a data pipeline to load a warehouse in Microsoft Fabric.
- Learn how to load data in a warehouse using T-SQL.
- Learn how to load and transform data with dataflow (Gen 2).

Module 3: Query a data warehouse in Microsoft Fabric

Data warehouse in Microsoft Fabric is a comprehensive platform for data and analytics, featuring advanced query processing and full transactional T-SQL capabilities for easy data management and analysis.

Learning objectives

In this module, you'll:

- Use SQL query editor to query a data warehouse.
- Explore how visual query editor works.
- Learn how to connect and query a data warehouse using SQL Server Management Studio.

Module 4: Monitor a Microsoft Fabric data warehouse

A data warehouse is a vital component of an enterprise analytics solution. It's important to learn how to monitor a data warehouse so you can better understand the activity that occurs in it.

Learning objectives

After completing this module, you'll be able to:

- Monitor capacity unit usage with the Microsoft Fabric Capacity Metrics app.
- Monitor current activity in the data warehouse with dynamic management views.
- Monitor querying trends with query insights views.

Take the assessment.

You will have 2 hr to complete this assessment.

This assessment will use an interactive lab to evaluate your performance. It will take a few minutes to load the lab, and you may do other activities while it loads. After you launch the lab, you will need to wait **72 hours** to launch it again. Your mouse movements and text entered during the lab will be recorded for quality purposes. Learn more

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