Implementing Real-Time Intelligence with Microsoft Fabric (DP-603)

Description

A Comprehensive and Structured Approach to Data Warehousing

The course Implementing a Data Warehouse using Microsoft Fabric DP-602 is essential for professionals aiming to efficiently master enterprise data management. Throughout this practical and comprehensive training, you will learn to design, load, and manage a high-performance data warehouse within the Microsoft Fabric environment. This detailed program is ideal for understanding how to structure analytical data, enabling precise and rapid strategic decision-making.

Data Security, Monitoring, and Optimization

Beyond the technical aspects, the course emphasizes essential practices in data warehouse security and monitoring. You will explore how to implement rigorous security using dynamic data masking, granular permission management, and row- and column-level security policies. Additionally, you will learn to monitor and optimize your warehouse's performance to ensure fast and secure access to your critical data.

Niveau
Fondamental
Course Content
Module 1 : Explore end-to-end analytics with Microsoft Fabric

- Discover how Microsoft Fabric can meet your enterprise's analytics needs in one platform
- Learn about Microsoft Fabric and how it worksIdentify how you can use it for your analytics needs

Module 2 : Get started with data warehouses in Microsoft Fabric

- 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

Module 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 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 5 : Monitor a Microsoft Fabric data warehouse

- Monitor capacity metrics
- Monitor current activity
- Monitor queries

Module 6 : 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

Lab / Exercises

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

Documentation

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

Participant profiles

- Data Analyst
- Data Engineer
- Database Administrator
- Business Intelligence (BI) Consultant

Prerequisites

- Know fundamental data concepts
- Understand the general operation of relational databases

Objectives

- Understand the fundamental principles of a relational data warehouse
- Master data loading using pipelines and Dataflow Gen2
- Efficiently query data using the T-SQL language
- Monitor and optimize data warehouse performance
- Implement advanced data security with Microsoft Fabric

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Implementing Real-Time Intelligence with Microsoft Fabric (DP-603)
Classroom Registration Price (CHF)
900
Virtual Classroom Registration Price (CHF)
850
Duration (in Days)
1
Reference
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