



MICROSOFT TRAINING

DP-602: Implement a Data Warehouse with Microsoft Fabric

Build and deploy data warehouses using Microsoft Fabric. Earn your DP-602 certification.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "DP-602: Implement a Data Warehouse with Microsoft Fabric," is meticulously designed for data professionals seeking to master the deployment and management of modern data warehouses using Microsoft's unified analytics platform. You will dive deep into Microsoft Fabric's capabilities, learning how to ingest, transform, and serve data efficiently within a lakehouse architecture. The course emphasizes practical skills in creating robust data warehouse solutions, ensuring data quality, and optimizing performance for analytical workloads. By understanding the end-to-end data lifecycle within Fabric, participants will gain invaluable expertise in building scalable and governable data ecosystems.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	DP-602

COURSE CURRICULUM

01 Module 1: Introduction to Microsoft Fabric and Data Warehousing

- Understanding Microsoft Fabric components and architecture
- Introduction to OneLake and Lakehouse concepts
- Differences between traditional data warehouses and Fabric data warehouses
- Overview of data warehousing patterns in Fabric

02 Module 2: Ingesting and Transforming Data with Fabric

- Data ingestion strategies using Data Factory pipelines in Fabric
- Using notebooks for data transformation with Spark
- Implementing dataflows for low-code data preparation
- Loading data into a Fabric Warehouse table

03 Module 3: Designing and Implementing a Fabric Data Warehouse

- Designing star and snowflake schemas in Fabric
- Creating and managing Fabric Warehouse tables
- Implementing views and stored procedures
- Data type considerations and best practices

04 Module 4: Data Governance and Optimization in Fabric

- Implementing row-level and column-level security
- Managing workspace roles and permissions
- Monitoring query performance and resource usage
- Optimizing Warehouse queries and data storage

05 Module 5: Integrating and Serving Data for Analytics

- Connecting Power BI to Fabric Data Warehouses
- Developing analytical reports and dashboards
- Implementing Direct Lake mode for performance
- Data sharing and collaboration within Fabric

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Data Warehouse Engineer specializing in Microsoft Fabric**
- > **Azure Data Engineer focusing on Lakehouse Architecture**
- > **BI Developer utilizing Microsoft Fabric for Data Solutions**

FREQUENTLY ASKED QUESTIONS

Q: What specific skills will I gain that are directly applicable to my career as a Data Engineer after completing this DP-602 course?

Upon completion of DP-602, you will possess hands-on expertise in designing, implementing, and optimizing data warehouses within Microsoft Fabric. This includes proficiency in using Data Factory for ingestion, Spark notebooks and dataflows for transformation, creating efficient warehouse schemas and tables, and applying data governance measures. You'll also learn to integrate Fabric data warehouses seamlessly with Power BI, directly enhancing your ability to build modern, scalable analytical solutions and contributing significantly to data strategy roles.

Q: Are there any prerequisites or prior knowledge recommended before enrolling in the DP-602: Implement a Data Warehouse with Microsoft Fabric course?

While this is an intermediate-level course, a foundational understanding of data warehousing concepts, SQL, and basic cloud data services (preferably Azure) is highly recommended. Familiarity with data modeling principles and some exposure to data transformation tools will enable you to grasp the advanced concepts of Microsoft Fabric more effectively and maximize your learning experience.

Q: How does mastering Microsoft Fabric through DP-602 differentiate my skill set in the job market compared to traditional Azure Data Warehouse skills?

Mastering Microsoft Fabric through DP-602 positions you at the forefront of modern data analytics, offering a significant advantage over traditional skills. Fabric unifies data warehousing, data engineering, data science, and BI into a single SaaS platform, leveraging a lake-centric approach with OneLake. This course teaches you to build solutions that are more agile, scalable, and cost-effective, using a comprehensive platform that reduces integration complexities. Your expertise will be highly sought after for organizations looking to modernize their data platforms and leverage unified analytics.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

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Take the next step in your technology career.

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