



Microsoft Fabric Analytics Engineer (DP-600T00)

ID DP-600T00 Price on request Duration 4 days

Course Overview

This course covers methods and practices for implementing and managing enterprise-scale data analytics solutions using Microsoft Fabric. Students will learn how to use Fabric dataflows, pipelines, and notebooks to develop analytics assets such as semantic models, data warehouses, and lakehouses.

This course is designed for experienced data professionals skilled at data preparation, modeling, analysis, and visualization, such as the PL-300: Power BI Data Analyst certification. Learners should have prior experience with one of the following programming languages: Structured Query Language (SQL), Kusto Query Language (KQL), or Data Analysis Expressions (DAX).

You could also consider these Applied Skills to skill up on data engineering technologies including lakehouse and data warehouse with Microsoft Fabric platform. Leverage the certification exam if you are a power BI data analyst who wants to demonstrate ability to perform upstream data ingestion and transformation skills to serve curated data assets. There is a significant overlap in skills measured in these credentials and certification. The certification measures a broader set of skills, including semantic data modeling while the Applied Skills credentials provide an opportunity for interactive, in-product validation of your skills:

- [Implement a data warehouse with Microsoft Fabric \(DP-602T00\)](#)
- [Implement a Lakehouse with Microsoft Fabric \(DP-601T00\)](#)

Who should attend

The primary audience for this course is data professionals with experience in data modeling and analytics. DP-600 is designed for professionals who want to use Microsoft Fabric to create and deploy enterprise-scale data analytics solutions.

This course is part of the following Certifications

Microsoft Certified: Fabric Analytics Engineer Associate (MCFAEA)

Course Content

Get started with Microsoft Fabric

- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with lakehouses in Microsoft Fabric
- Use Apache Spark in Microsoft Fabric
- Work with Delta Lake tables in Microsoft Fabric
- Orchestrate processes and data movement with Microsoft Fabric
- Ingest Data with Dataflows Gen2 in Microsoft Fabric
- Get started with data warehouses in Microsoft Fabric
- Get started with Real-Time Intelligence in Microsoft Fabric
- Get started with data science in Microsoft Fabric
- Administer a Microsoft Fabric environment

Implement a data warehouse with Microsoft Fabric

- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with data warehouses in Microsoft Fabric
- Load data into a Microsoft Fabric data warehouse
- Query a data warehouse in Microsoft Fabric
- Monitor a Microsoft Fabric data warehouse
- Secure a Microsoft Fabric data warehouse

Work with semantic models in Microsoft Fabric

- Create DAX calculations in semantic models
- Design scalable semantic models
- Optimize a model for performance in Power BI
- Create and manage Power BI assets
- Enforce Power BI model security

Administer and govern Microsoft Fabric

- Administer a Microsoft Fabric environment
- Secure data access in Microsoft Fabric
- Secure a Microsoft Fabric data warehouse
- Govern data in Microsoft Fabric with Purview

About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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- ✓ E-Learning
- ✓ Blended & Hybrid Learning
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