

Microsoft Fabric Analytics Engineer

Course Duration: 32 Hrs.

Course Code: DP-600

Course Overview

The DP-600: Microsoft Fabric Analytics Engineer course is designed to provide learners with comprehensive knowledge and hands-on experience in end-to-end analytics using Microsoft Fabric. The course covers a wide range of topics, from introduction to analytics to administering Microsoft Fabric, data ingestion, and data management. Learners will gain practical skills in using Dataflows Gen2, Spark, Data Factory pipelines, and managing Lakehouse's within Microsoft Fabric. Throughout the modules, participants will learn about organizing data using the Medallion architecture design, working with Apache Spark, Delta Lake tables, and securing their data environments. The course also delves into data warehousing, teaching how to load, query, monitor, optimize, and model data warehouses. Moreover, it addresses scalability in Power BI, creating model relationships, performance optimization tools, and enforcing model security. This extensive training is crucial for those looking to excel in managing and analyzing data with Microsoft's analytics tools.

What you'll learn?

The DP-600 certification focuses on implementing analytics solutions using Microsoft Fabric, teaching you to design, create, and deploy data analytics solutions at an enterprise level, including using Lake houses, Data Warehouses, and Semantic Models.

Target Audience

The target audience for the DP-600 exam, which validates expertise in designing, building, and managing data analytics solutions using Microsoft Fabric,

includes data engineers, data analysts, data architects, and other data professionals with experience in data modeling, extraction, and analytics.

Pre-Requisites

While there isn't a strict prerequisite for the DP-600 exam, Microsoft recommends that candidates have a strong foundation in data engineering and analytics, including experience with data modeling, transformation, and languages like SQL, DAX, and KQL.

Course Content

Module 1. Introduction to end-to-end analytics using Microsoft Fabric

Module 2. Administer Microsoft Fabric

Module 3. Ingest Data with Dataflows Gen2 in Microsoft Fabric

Module 4. Ingest Data with Spark and Microsoft Fabric Notebooks

Module 5. Use Data Factory Pipelines in Microsoft Fabric

Module 6. Get Started with Lakehouse's in Microsoft Fabric

Module 7. Organize a Fabric Lakehouse Using Medallion Architecture Design

Module 8. Use Apache Spark in Microsoft Fabric

Module 9. Work with Delta Lake Tables in Microsoft Fabric

Module 10. Secure Your Lakehouse (Content is in Admin Module)

Module 11. Get Started with Data Warehouses in Microsoft Fabric

Module 12. Load Data into a Fabric Data Warehouse

Module 13. Query a Data Warehouse in Microsoft Fabric

Module 14. Monitor and optimize a Microsoft Fabric Data Warehouse

Module 15. Model a Data Warehouse in Microsoft Fabric

Module 16. Secure Your Warehouse

Module 17. Understanding Scalability in Power BI

Module 18. Create Power BI Model Relationships

Module 19. Use Tools to Optimize Power BI Performance

Module 20. Enforce Power BI Model Security

Exam Preference

Exam Code	DP-600
Exam Duration	100 minutes
Total Score	1000
Passing Score	700