

## KOENIG SOLUTIONS · COURSE OUTLINE

# DP-600T00: Microsoft Fabric Analytics Engineer

Learn to build, secure and manage end-to-end analytics solutions in Microsoft Fabric, from data ingestion to Power BI modelling.

**4 Days**

32 HOURS

**20**

MODULES

## 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 an 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.

## WHO THIS COURSE IS FOR

The DP-600 course offers comprehensive training in Microsoft Fabric analytics, catering to IT professionals in data roles, including:

**Data Engineers**

**Data Analysts**

**Data Architects**

**Data Scientists**

**Database Administrators**

**Business Intelligence Professionals**

**IT Managers overseeing data management teams**

**Cloud Solutions Architects focusing on data services**

**Data Security Analysts**

**Professionals aiming to learn about data warehousing and lakehouse architecture**

**Power BI Developers**

**Anyone seeking to specialize in Microsoft's data analytics tools and services**

## 20 Modules

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01

**Introduction to End-to-End Analytics Using Microsoft Fabric**

02

**Administer Microsoft Fabric**

03

**Ingest Data with Dataflows Gen2 in Microsoft Fabric**

04

**Ingest Data with Spark and Microsoft Fabric Notebooks**

05

**Use Data Factory Pipelines in Microsoft Fabric**

06

**Get Started with Lakehouse's in Microsoft Fabric**

07

**Organize a Fabric Lakehouse Using Medallion Architecture Design**

08

**Use Apache Spark in Microsoft Fabric**

**09**

**Work with Delta Lake Tables in Microsoft Fabric**

**10**

**Secure Your Lakehouse (Content Is in Admin Module)**

**11**

**Get Started with Data Warehouses in Microsoft Fabric**

**12**

**Load Data into a Fabric Data Warehouse**

**13**

**Query a Data Warehouse in Microsoft Fabric**

**14**

**Monitor and Optimize a Microsoft Fabric Data Warehouse**

**15**

**Model a Data Warehouse in Microsoft Fabric**

**16**

**Secure Your Warehouse**

**17**

**Understand Scalability in Power BI**

**18**

### Create Power BI Model Relationships

**19**

### Use Tools to Optimize Power BI Performance

**20**

### Enforce Power BI Model Security

#### WHAT IS INCLUDED

## Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

#### ABOUT KOENIG

## Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

#### FLEXIBLE DELIVERY

## Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

## Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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