



Data Engineering on Microsoft Azure (DP-203T00)

ID DP-203T00 Price 2,590.— €excl. tax) Duration 4 days

This course will be retired on 31 December 2025 and replaced by the course Microsoft Fabric Data Engineer (DP-700T00).

Course Overview

In this course, the student will learn how to implement and manage data engineering workloads on Microsoft Azure, using Azure services such as Azure Synapse Analytics, Azure Data Lake Storage Gen2, Azure Stream Analytics, Azure Databricks, and others. The course focuses on common data engineering tasks such as orchestrating data transfer and transformation pipelines, working with data files in a data lake, creating and loading relational data warehouses, capturing and aggregating streams of real-time data, and tracking data assets and lineage.

Who should attend

The primary audience for this course is data professionals, data architects, and business intelligence professionals who want to learn about data engineering and building analytical solutions using data platform technologies that exist on Microsoft Azure. The secondary audience for this course includes data analysts and data scientists who work with analytical solutions built on Microsoft Azure.

Prerequisites

Successful students start this course with knowledge of cloud computing and core data concepts and professional experience with data solutions.

Specifically completing:

- Introduction to Cloud Infrastructure (AZ-900T00)
- Introduction to Microsoft Azure Data (DP-900T00)

Course Content

• Introduction to data engineering on Azure

- Introduction to Azure Data Lake Storage Gen2
- Introduction to Azure Synapse Analytics
- Use Azure Synapse serverless SQL pool to query files in a data lake
- Use Azure Synapse serverless SQL pools to transform data in a data lake
- Create a lake database in Azure Synapse Analytics
- Analyze data with Apache Spark in Azure Synapse Analytics
- Transform data with Spark in Azure Synapse Analytics
- Use Delta Lake in Azure Synapse Analytics
- · Analyze data in a relational data warehouse
- Load data into a relational data warehouse
- Build a data pipeline in Azure Synapse Analytics
- Use Spark Notebooks in an Azure Synapse Pipeline
- Plan hybrid transactional and analytical processing using Azure Synapse Analytics
- Implement Azure Synapse Link with Azure Cosmos DB
- Implement Azure Synapse Link for SQL
- · Get started with Azure Stream Analytics
- Ingest streaming data using Azure Stream Analytics and Azure Synapse Analytics
- Visualize real-time data with Azure Stream Analytics and Power BI
- · Introduction to Microsoft Purview
- Integrate Microsoft Purview and Azure Synapse Analytics
- Explore Azure Databricks
- · Use Apache Spark in Azure Databricks
- Run Azure Databricks Notebooks with Azure Data Factory

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.

Fast Lane Services

- ✓ High End Technology Training
- ✓ Business & Soft Skill Training
- ✓ Consulting Services
- ✓ Managed Training Services
- ✓ Digital Learning Solutions
- ✓ Content Development
- ✓ Remote Labs
- ✓ Talent Programs

Training Methods

✓ Classroom Training

✓ Event Management Services



















✓ Instructor-Led Online Training

- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning





AUTHORIZED





F#RTINET.





opentext*





- ✓ Digital Transformation
- ✓ Artificial Intelligence
- ✓ Cloud
- ✓ Networking
- ✓ Cyber Security
- ✓ Wireless & Mobility
- ✓ Modern Workplace
- ✓ Data Center

















Worldwide Presence

with high-end training centers

around the globe

CompTIA.





Multiple Awards

from vendors such as AWS, Microsoft, Cisco, Google, NetApp, **VMware**



Experienced SMEs

with over 19.000 combined certifications

Germany

Fast Lane Institute for Knowledge Transfer GmbH

Tel. +49 40 25334610

info@flane.de / www.flane.de

Austria

ITLS GmbH

(Partner of Fast Lane) Tel. +43 1 6000 8800

info@itls.at / www.itls.at

Switzerland

Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Tel. +41 44 8325080

info@flane.ch / www.flane.ch