

CertKit: Microsoft DP-203: Data Engineering on Microsoft Azure

In this CertKit, the student will learn about the data engineering patterns and practices as it pertains to working with batch and real-time analytical solutions using Azure data platform technologies. Students will begin by understanding the core compute and storage technologies that are used to build an analytical solution. They will then explore how to design an analytical serving layers and focus on data engineering considerations for working with source files. The students will learn how to interactively explore data stored in files in a data lake. They will learn the various ingestion techniques that can be used to load data using the Apache Spark capability found in Azure Synapse Analytics or Azure Databricks, or how to ingest using Azure Data Factory or Azure Synapse pipelines. The students will also learn the various ways they can transform the data using the same technologies that is used to ingest data.

Prerequisites:

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

- AZ-900 - Azure Fundamentals
- DP-900 - Microsoft Azure Data Fundamentals.

Course outcome:

In this course, you will learn to:

- Explore compute and storage options for data engineering workloads in Azure
- Design and Implement the serving layer
- Understand data engineering considerations
- Run interactive queries using serverless SQL pools
- Explore, transform, and load data into the Data Warehouse using Apache Spark
- Perform data Exploration and Transformation in Azure Databricks
- Ingest and load Data into the Data Warehouse.

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 data analysts and data scientists who work with analytical solutions built on Microsoft Azure.

CertKit content:

- E-learning courses:
 - DP-203 - Data Engineering on Microsoft Azure: Storage Accounts
 - DP-203 - Data Engineering on Microsoft Azure: Designing Data Storage Structures
 - DP-203 - Data Engineering on Microsoft Azure: Data Partitioning
 - DP-203 - Data Engineering on Microsoft Azure: Designing the Serving Layer
 - DP-203 - Data Engineering on Microsoft Azure: Physical Data Storage Structures
 - DP-203 - Data Engineering on Microsoft Azure: Logical Data Structures
 - DP-203 - Data Engineering on Microsoft Azure: The Serving Layer
 - DP-203 - Data Engineering on Microsoft Azure: Data Policies & Standards
 - DP-203 - Data Engineering on Microsoft Azure: Securing Data Access
 - DP-203 - Data Engineering on Microsoft Azure: Securing Data
 - DP-203 - Data Engineering on Microsoft Azure: Data Lake Storage
 - DP-203 - Data Engineering on Microsoft Azure: Data Flow Transformations
 - DP-203 - Data Engineering on Microsoft Azure: Data Factory
 - DP-203 - Data Engineering on Microsoft Azure: Databricks
 - DP-203 - Data Engineering on Microsoft Azure: Databrick Processing
 - DP-203 - Data Engineering on Microsoft Azure: Stream Analytics
 - DP-203 - Data Engineering on Microsoft Azure: Synapse Analytics
 - DP-203 - Data Engineering on Microsoft Azure: Data Storage Monitoring
 - DP-203 - Data Engineering on Microsoft Azure: Data Process Monitoring
 - DP-203 - Data Engineering on Microsoft Azure: Data Solution Optimization
- MeasureUp Exam simulation
 - 200 questions
- Tips & Tricks
- Challenge Labs (option)
 - This collection is comprised of over 30 challenges and contains over 20 hours of hands-on practice and supports the Exam and is mapped to the skills measured of the exam.