



MICROSOFT TRAINING

DP-203: Data Engineering on Microsoft Azure

Master Azure data engineering. Build and manage scalable data solutions for the DP-203 exam.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

This intensive "DP-203: Data Engineering on Microsoft Azure" course is meticulously designed for data professionals aspiring to master the art of data engineering within the Microsoft Azure ecosystem. Participants will gain a comprehensive understanding of how to design, implement, and manage robust data solutions, covering everything from data ingestion and storage to processing and transformation. The course delves into core Azure technologies such as Azure Data Lake Storage Gen2, Azure Synapse Analytics, Azure Data Factory, Azure Databricks, and Azure Stream Analytics, equipping learners with the practical skills needed to build scalable and efficient data pipelines. By completing this certification, you will be proficient in developing solutions for modern data warehousing, real-time analytics, and operational data stores. The professional benefits are immense: you'll be able to confidently implement data security measures, optimize data processing performance, and ensure data quality and governance. This certification not only validates your expertise in Azure data engineering but also positions you as a critical asset in organizations leveraging cloud-based data platforms, significantly accelerating your career trajectory in the dynamic field of data.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	DP-203

COURSE CURRICULUM

01 Module 1: Implement Data Storage Solutions

- Designing and implementing data storage for relational data
- Designing and implementing data storage for non-relational data
- Designing and implementing data storage for analytical workloads
- Data partitioning and indexing strategies
- Configuring data lake storage security and lifecycle management

02 Module 2: Design and Develop Data Processing

- Ingesting and transforming data with Azure Data Factory
- Implementing stream processing with Azure Stream Analytics
- Implementing batch processing with Azure Synapse Analytics Spark Pools and Azure Databricks
- Designing and implementing data transformations using Spark and SQL
- Working with change data capture (CDC) in data pipelines

03 Module 3: Design and Implement Data Security

- Implementing data encryption and masking in Azure data stores
- Managing data access and authentication using Azure Active Directory
- Implementing data compliance and governance policies
- Securing data pipelines and data stores through network security and access controls
- Auditing and monitoring data access

04 Module 4: Monitor and Optimize Data Storage and Processing

- Monitoring data storage and processing solutions using Azure Monitor and Log Analytics
- Troubleshooting data processing failures and performance issues
- Optimizing data storage performance through data tiering and caching
- Optimizing data processing throughput and cost management

- Implementing alerting and reporting for data operations

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Data Engineer**
- > **Data Platform Engineer**
- > **Cloud Data Architect**

FREQUENTLY ASKED QUESTIONS

Q: What practical data transformation skills will I master in this DP-203 course that are directly applicable to real-world projects?

This DP-203 course will equip you with robust skills in data ingestion, cleansing, transformation, and loading across various Azure services. You will learn to use Azure Data Factory for orchestrating complex ETL/ELT pipelines, perform advanced data manipulations with Azure Databricks (using Spark SQL, Python, or Scala), and implement real-time transformations using Azure Stream Analytics. These skills are crucial for preparing raw data into analytics-ready formats, directly supporting business intelligence and machine learning initiatives by ensuring data quality and usability.

Q: How does the DP-203 certification specifically enhance my marketability as a data professional in Kenya's evolving tech landscape?

Earning the DP-203 certification significantly boosts your marketability in Kenya by validating your expertise in Microsoft Azure, a leading cloud platform. Local and international companies operating in Kenya are increasingly adopting Azure for their data infrastructure, creating high demand for certified professionals. This certification demonstrates your ability to design and implement scalable, secure, and performant data solutions, making you a highly sought-after professional for roles like Azure Data Engineer, Data Platform Specialist, or even contributing to Cloud Architecture teams, distinguishing you in a competitive job market.

Q: Are there any recommended foundational Azure certifications or experience required before tackling the DP-203: Data Engineering on Microsoft Azure course?

While not strictly mandatory, it is highly recommended that participants have a foundational understanding of core Azure services, ideally equivalent to passing the AZ-900 (Azure Fundamentals) exam, or practical experience working with Azure. Familiarity with basic data concepts, relational databases, and some programming experience (e.g., Python or SQL) will also be beneficial. This course builds upon that foundational knowledge, focusing specifically on advanced data engineering principles and their implementation on Azure, so a solid base helps maximize learning.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke