



MICROSOFT TRAINING

DP-203: Data Engineering on Microsoft Azure

Become an Azure Data Engineer. Learn to design, implement, and monitor data solutions to pass your DP-203 exam.

DURATION

32 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

The DP-203: Data Engineering on Microsoft Azure course at Computer Pride is an intensive, intermediate-level program designed to equip you with the essential skills to build and manage robust data solutions on the Azure platform. This course delves into the intricacies of designing and implementing data storage, processing, security, and monitoring solutions. You'll gain hands-on experience with core Azure data services, learning to architect scalable and efficient data pipelines for various scenarios, from batch processing to real-time analytics. This certification is crucial for anyone aspiring to become a proficient data engineer in the cloud era. By mastering these technologies, you will be able to design, implement, and operate data solutions that meet business requirements for performance, scalability, and security.

Throughout the 32-hour duration, you will work with cutting-edge Microsoft Azure technologies, including Azure Data Lake Storage Gen2, Azure Synapse Analytics, Azure Data Factory, Azure Databricks, Azure Stream Analytics, and Azure Cosmos DB. The course emphasizes practical application, ensuring you not only understand the theoretical concepts but can also implement them effectively in real-world scenarios. Upon completion, you will be well-prepared to sit for the Microsoft Certified: Azure Data Engineer Associate exam, validating your expertise and significantly enhancing your career prospects in the rapidly growing field of cloud data engineering. This certification signals to employers that you possess the advanced skills needed to transform raw data into actionable insights.

Duration	32 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	DP-203

PREREQUISITES

- Understanding of cloud computing concepts
- Familiarity with Azure portal
- Basic PowerShell or CLI experience
- Understanding of virtualization concepts

COURSE CURRICULUM

01 Module 1: Design and Implement Data Storage

- Designing an Azure Data Storage Solution
- Implementing Data Storage in Azure Data Lake Storage Gen2
- Implementing Data Storage in Azure Blob Storage
- Implementing Data Storage in Azure Cosmos DB
- Implementing Data Storage in Azure Synapse Analytics

02 Module 2: Design and Develop Data Processing

- Designing an Azure Data Processing Solution
- Implementing Data Ingestion and Transformation with Azure Data Factory
- Implementing Data Processing with Azure Synapse Spark Pools
- Implementing Data Processing with Azure Databricks
- Implementing Stream Processing with Azure Stream Analytics
- Implementing Stream Processing with Azure Event Hubs

03 Module 3: Design and Implement Data Security and Monitoring

- Designing and Implementing Data Security for Azure Data Solutions
- Implementing Authentication and Authorization for Data Solutions
- Implementing Data Encryption for Data at Rest and in Transit
- Monitoring and Optimizing Data Storage and Data Processing
- Implementing Azure Monitor and Log Analytics for Data Solutions

04 Module 4: Optimize and Troubleshoot Azure Data Solutions

- Optimizing Data Storage and Processing Performance
- Troubleshooting Data Processing Failures
- Managing and Administering Azure Data Resources
- Implementing High Availability and Disaster Recovery for Data Solutions

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Data Engineer**
- > **Cloud Data Architect (with relevant experience)**
- > **Senior BI Developer (Azure Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What specific Azure data services will I gain hands-on expertise with during this DP-203 course?

This course provides extensive hands-on training with a range of critical Azure data services. You will build practical skills in configuring and utilizing Azure Data Lake Storage Gen2 for scalable data storage, orchestrating data pipelines with Azure Data Factory, performing big data analytics using Azure Synapse Analytics and Azure Databricks, and processing real-time data streams with Azure Stream Analytics and Event Hubs. Additionally, you will work with Azure Cosmos DB for NoSQL data solutions and understand how to integrate these services for comprehensive data engineering scenarios.

Q: How does completing the DP-203 course impact my career progression as a data engineer, especially within the Kenyan IT market?

Completing the DP-203 course and achieving the Microsoft Certified: Azure Data Engineer Associate certification significantly elevates your profile in the competitive Kenyan IT market. It validates your expertise in designing and implementing data solutions on Azure, a cloud platform increasingly adopted by local and international organizations. This credential positions you for specialized roles such as Cloud Data Engineer, Azure Data Architect, or Senior Data Analyst with a cloud focus, opening doors to higher-paying opportunities and complex projects requiring robust cloud data infrastructure skills. It demonstrates a commitment to modern data practices highly valued by employers.

Q: Are there any prerequisites or prior knowledge recommended before enrolling in the DP-203 Data Engineering on Microsoft Azure course?

While there are no strict mandatory prerequisites, it is highly recommended that participants have a foundational understanding of core data processing concepts, including relational and non-relational data. Familiarity with basic SQL queries, data warehousing concepts, and fundamental Azure services (such as Azure Storage accounts, Azure Virtual Machines, and basic networking) would be beneficial. Experience with a programming language like Python or Scala for data manipulation is also a plus, though not strictly required, as key concepts will be covered.

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

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