



MICROSOFT TRAINING

DP-3012: Microsoft Azure Data Fundamentals: Explore Core Data Concepts

Master core data concepts in Microsoft Azure and prepare for your DP-3012 certification. Build foundational skills for cloud data solutions.

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

The DP-3012: Microsoft Azure Data Fundamentals: Explore Core Data Concepts course at Computer Pride offers a foundational yet comprehensive introduction to core data concepts and how they are implemented using Microsoft Azure data services. This intermediate-level, two-hour program is meticulously designed for individuals looking to build a solid understanding of relational, non-relational, and analytics data workloads in the cloud. You will delve into the fundamental principles of data storage, processing, and consumption, gaining insights into the various data services available within the Azure ecosystem, such as Azure SQL Database, Azure Cosmos DB, Azure Data Lake Storage, and Azure Synapse Analytics. This course is an essential stepping stone for anyone aspiring to work with data in a cloud environment, providing the clarity needed to navigate the complexities of modern data landscapes. This course equips you with the foundational knowledge to articulate core data concepts, recognize different data types, and understand the role of various Azure data services. The benefits extend to enhancing your employability in data-centric roles, providing a clear pathway for further specialization in data engineering, data analysis, or database administration within the Azure platform. By understanding the basics, you'll be better positioned to engage in more advanced training and contribute effectively to projects requiring cloud data solutions. It's an ideal starting point for IT professionals, developers, and business intelligence specialists who need to grasp the basics of data storage and processing in Azure.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	DP-3012

COURSE CURRICULUM

01 Module 1: Core Data Concepts

- Introduction to data workloads
- Understanding relational data concepts
- Exploring non-relational data concepts
- Defining analytics workloads

02 Module 2: Relational Data in Azure

- Features of relational data offerings on Azure
- Identifying common relational data workloads
- Introduction to Azure SQL Database and Azure Database for MySQL/PostgreSQL
- Basic concepts of querying relational data

03 Module 3: Non-Relational Data in Azure

- Characteristics of non-relational data offerings on Azure
- Identifying common non-relational data workloads
- Exploring Azure Cosmos DB and its APIs
- Understanding Azure Blob Storage and Azure Data Lake Storage

04 Module 4: Analytics Workloads in Azure

- Key elements of analytics workloads
- Describing features of data warehousing and big data solutions
- Introduction to Azure Synapse Analytics
- Understanding Azure Data Factory for data integration

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Entry-Level Azure Data Engineer**
- > **Cloud Data Analyst Assistant**
- > **Junior Database Administrator (with a focus on Azure)**

FREQUENTLY ASKED QUESTIONS

Q: What specific skills will I gain that are directly applicable to Azure data projects after completing DP-3012?

Upon completion of DP-3012, you will be able to differentiate between relational and non-relational data models, understand the purpose and use cases for various Azure data services like Azure SQL Database, Azure Cosmos DB, and Azure Synapse Analytics, and identify suitable data storage and processing solutions for different scenarios. These foundational skills are critical for contributing to early-stage data architecture discussions and for understanding the data landscape within Azure projects.

Q: Is DP-3012 a prerequisite for more advanced Azure data certifications, and how does it fit into the overall Azure learning path?

While DP-3012 specifically explores core data concepts within the Azure Data Fundamentals scope, it serves as an excellent foundational course. It is not a strict prerequisite for all advanced certifications but provides the essential conceptual understanding necessary for more specialized roles like Azure Data Engineer Associate (DP-203) or Azure Database Administrator Associate (DP-300). This course helps you build a strong conceptual framework before diving into the practical implementations and advanced configurations covered in higher-level certifications.

Q: What kind of data workloads will I be able to identify and briefly describe after taking this course, and how does that help in a professional setting?

After this course, you will be proficient in identifying and describing three main types of data workloads: relational (e.g., transactional systems, CRM databases), non-relational (e.g., IoT data, content management, user profiles), and analytics (e.g., data warehousing, big data processing). In a professional setting, this ability allows you to effectively communicate with data architects and engineers, understand project requirements, and contribute to initial discussions on choosing the appropriate Azure data service for a given business challenge, thereby facilitating more efficient project planning and execution.

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