COURSE OVERVIEW

Course Name:
(DP-900) Microsoft Azure Data Fundamentals

COURSE DURATION: 1 Day

Gauteng:
3rd Floor, 34 Whitely Road
Melrose Arch
Johannesburg
2196

Gauteng:
192 on Bram
192 Bram Fischer Drive
Ferndale, Randburg
Johannesburg
2160

Cape Town:
3rd Floor, Thomas Pattullo Building
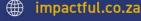19 Jan Smuts St
Cape Town
8000

Durban:
9 Mountview Close
Broadlands
Mount Edgecombe
Durban
4302

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INTRODUCTION

In this course, students will gain foundational knowledge of core data concepts and related Microsoft Azure data services. Students will learn about core data concepts such as relational, non-relational, big data, and analytics, and build their foundational knowledge of cloud data services within Microsoft Azure. Students will explore fundamental relational data concepts and relational database services in Azure. They will explore Azure storage for non-relational data and the fundamentals of Azure Cosmos DB. Students will learn about large-scale data warehousing, real-time analytics, and data visualization.

DELIVERY METHOD

Our courses have flexible delivery options:

- In-person classroom training at the Impactful training facilities
  - Johannesburg, Durban, Cape Town
- Virtual instructor-led training
- Nationally: on-site at the client

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INTENDED AUDIENCE

The audience for this course is individuals who want to learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Microsoft Azure.

PREREQUISITES

Prerequisite certification is not required before taking this course. Successful Azure Data Fundamentals students start with some basic awareness of computing and Internet concepts, and an interest in extracting insights from data.

Specifically:

- Experience using a web browser, such as Microsoft Edge.
- Familiarity with basic data-related concepts, such as working with tables of data in a spreadsheet and visualizing data using charts.
- A willingness to learn through hands-on exploration.

COURSE CONTENT

Explore core data concepts

Data powers the digital transformation that is sweeping across organizations and society in general. But what is "data", and how is it represented and used?

Explore data roles and services

Data professionals perform distinct roles in building and managing software solutions, and work with multiple technologies and services to do so.

Explore fundamental relational data concepts

Relational database systems are a common way to store and manage transactional and analytical data in organizations of any size around the world.

Explore relational database services in Azure

Microsoft Azure provides multiple services for relational databases. You can choose the relational database management system that's best for your needs, and host relational data in the cloud.

Explore Azure Storage for non-relational data

Azure Storage is a core service in Microsoft Azure that is commonly used to store non-relational data.

Explore fundamentals of Azure Cosmos DB

Azure Cosmos DB provides a highly scalable store for non-relational data.

Explore fundamentals of large-scale data warehousing

Organizations use modern data warehousing to build large scale data analytics solutions that generate insights and drive success. Microsoft Azure includes multiple technologies that you can combine to build a modern data warehousing solution.

Explore fundamentals of real-time analytics

Learn about the basics of stream processing, and the services in Microsoft Azure that you can use to implement real-time analytics solutions.

Explore fundamentals of data visualization

Learn the fundamental principles of analytical data modeling and data visualization, using Microsoft Power BI as a platform to explore these principles in action.