

Introduction to Microsoft Azure Data (DP-900T00)

Duration: 1 day

Audience: Professionnel TI

Who is this training for?

This course is intended for people who want to learn the basics of database concepts in a cloud environment, acquire foundational skills in data services, and develop fundamental knowledge of data services within Microsoft Azure.

Training objectives

- Describe core data concepts in Azure
- Explain relational data concepts in Azure
- Explain non-relational data concepts in Azure
- Identify the components of a data store in Azure

Summary

In this course, you will learn the fundamental concepts of databases in a cloud environment and acquire basic skills in data services within Microsoft Azure. You will identify and describe core data concepts such as relational data, non-relational data, and big data analytics, and explore how these technologies are implemented with Microsoft Azure. The course also covers provisioning, deploying, and querying relational and non-relational data, as well as the options available for implementing data analytics solutions in Azure: Azure Synapse Analytics, Azure Databricks, Azure HDInsight, and Power BI.

Course outline

Explore database concepts

- Explore core data concepts
- Explore roles and responsibilities in the world of data
- Describe relational data concepts
- Explore non-relational data concepts

- Explore data analytics concepts

Explore relational data in Azure

- Explore relational data offerings in Azure
- Explore provisioning and deploying relational database offerings in Azure
- Query relational data in Azure

Explore non-relational data in Azure

- Explore non-relational data offerings in Azure
- Explore provisioning and deploying non-relational data services in Azure
- Manage non-relational data stores in Azure

Explore an analytical data store in Azure

- Review the components of data in a data store
- Explore data integration in Azure
- Explore data storage and processing in Azure
- Introduction to Power BI

Approach and methodology

A practical and structured approach combining targeted theory and guided workshops. Led by a Microsoft-certified trainer, the course emphasizes interactivity and the development of directly transferable technical skills.