

# Microsoft Azure Data Fundamentals

## Description

In this official Microsoft course, students will 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. Students will identify and describe core data concepts such as relational, non-relational, big data, and analytics, and explore how this technology is implemented with Microsoft Azure.

They will explore the roles, tasks, and responsibilities in the world of data. The students will explore relational data offerings, provisioning and deploying relational databases, and querying relational data through cloud data solutions with Microsoft Azure.

They will explore non-relational data offerings, provisioning and deploying non-relational databases, and non-relational data stores with Microsoft Azure. Students will explore the processing options available for building data analytics solutions in Azure. They will explore Azure Synapse Analytics, Azure Databricks, and Azure HDInsight. Students will learn what Power BI is, including its building blocks and how they work together.

### Classroom Registration Price (CHF)

900

### Virtual Classroom Registration Price (CHF)

850

## Course Content

### Module 1: Explore core data concepts

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

### Module 2: Explore relational data in Azure

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

### Module 3: Explore non-relational data in Azure

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

### Module 4: Explore modern data warehouse analytics in Azure

- Examine components of a modern data warehouse
- Explore data ingestion in Azure
- Explore data storage and processing in Azure
- Get started building with Power BI

## Lab / Exercises

- Official Microsoft Labs

## **Documentation**

- Digital courseware included

## **Exam**

- This course prepares you to the DP-900: Microsoft Azure Data Fundamentals exam. If you wish to take this exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

## **Participant profiles**

- 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**

- No prerequisites

## **Objectives**

- Describe core data concepts
- Explain concepts of relational and non-relational data
- Identify components of a modern data warehouse
- Show foundational knowledge of cloud data services
- Describe relational data offerings
- Explain provisioning and deploying relational databases
- Query relational data through cloud data solutions
- Explain provisioning and deploying non-relational databases
- Describe non-relational data stores
- Describe processing options available for building data analytics solutions

## **Niveau**

Fondamental

## **Duration (in Days)**

1

## **Reference**

DP-900T00