

**Microsoft Azure Data Fundamentals (DP-900)**

**Course Number:** MOC-DP-900
**Duration:** 1 day

**Overview**

This Microsoft Azure Data Fundamentals training (MS course DP-900) introduces attendees to how relational and non-relational data are managed on the Azure platform. In addition, attendees explore how data warehouse operations function in Azure, including data ingestion, data storage, data processing, and analytics (using Power BI). This course prepares students for the [DP-900 exam](https://docs.microsoft.com/en-us/learn/certifications/exams/DP-900) for which every attendee receives a voucher.

**Prerequisites**

All students must have basic knowledge of cloud data services within Microsoft Azure.

**Materials**

All Microsoft Azure training students receive Microsoft official courseware.

For all Microsoft Official Courses taught in their entirety that have a corresponding certification exam, an exam voucher is included for each participant.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computers for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will work well.

**Objectives**

* Describe core data concepts in Azure
* Explain concepts of relational data in Azure
* Explain concepts of non-relational data in Azure
* Identify components of a modern data warehouse in Azure

**Outline**

* Introduction
* Core Data Concepts
	+ Core data concepts
	+ Roles and responsibilities in the world of data
	+ Concepts of relational data
	+ Concepts of non-relational data
	+ Explore concepts of data analytics
* Relational Data in Azure
	+ Relational data offerings in Azure
	+ Explore provisioning and deploying relational database offerings in Azure
	+ Query relational data in Azure
* 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
* Modern Data Warehouse Analytics in Azure
	+ Components of a modern data warehouse
	+ Data ingestion in Azure
	+ Data storage and processing in Azure
	+ Get started building with Power BI
* Conclusion