

Microsoft Azure Data Fundamentals

DP-900T00-A

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.

Audience Profile

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 outline

Microsoft Azure Data Fundamentals: Explore core data concepts

Data is the foundation on which all software is built. By learning about common data formats, workloads, roles, and services, you can prepare yourself for a career as a data professional. This learning path helps you prepare for the Azure Data Fundamentals certification.

- ◀ Explore core data concepts
- ◀ Explore data roles and services

Microsoft Azure Data Fundamentals: Explore relational data in Azure

Relational data is at the heart of most business applications, and is the foundation on which many enterprise data solutions are built. Microsoft Azure provides services for managing

relational databases, enabling you to build new applications or migrate existing ones to the cloud. This learning path helps you prepare for the Azure Data Fundamentals

- Explore fundamental relational data concepts
- Explore relational database services in Azure

Microsoft Azure Data Fundamentals: Explore non-relational data in Azure

Non-relational data is a common way for applications to store and query data without the overhead of a relational schema. In Microsoft Azure, you can use Azure Storage and Azure Cosmos DB to build highly scalable, secure data stores for non-relational data. This learning path helps you prepare for the Azure Data Fundamentals

- Explore Azure Storage for non-relational data
- Explore fundamentals of Azure Cosmos DB

Microsoft Azure Data Fundamentals: Explore data analytics in Azure

The phenomenal growth in data in recent years is fueling digital transformation of businesses and other organizations by empowering fast and informed decision making through data analytics. Microsoft Azure provides multiple services that you can combine to build large-scale analytics solutions that leverage the latest technologies and techniques for data ingestion, storage, modeling, and visualization. This learning path helps you prepare for the Azure Data Fundamentals certification.

- Explore fundamentals of large-scale data warehousing
- Explore fundamentals of real-time analytics
- Explore fundamentals of data visualization

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