



Azure

DP-900T00: Microsoft Azure Data Fundamentals

\$695.00

- 1 Day

Upcoming Dates

Jul 07

Sep 08

Nov 03

Dec 15

Course Description

This is an introductory 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.

Course Outline

Learning Path 1: Explore core data concepts

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 Azure. Students will explore the roles, tasks, and responsibilities in the world of data.

Modules

- Explore core data concepts
- Explore data roles and services

After completing this Learning Path, students will be able to:

- Show foundational knowledge of cloud data services within Azure
- Identify and describe core data concepts such as relational, non-relational, big data, and analytics
- Explain how this technology is implemented with Azure

Learning Path 2: Explore relational data in Azure

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 explore relational data offerings, provisioning and deploying relational databases, and querying relational data through cloud data solutions with Azure.

Modules

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

After completing this Learning Path, students will be able to:

- Describe relational data offerings on Azure
- Explain provisioning and deploying relational databases on Azure
- Query relational data through cloud data solutions in Azure

Learning Path 3: Explore non-relational data in Azure

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 Azure. Students will explore non-relational data offerings, provisioning and deploying non-relational databases, and non-relational data stores with Microsoft Azure.

Modules

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

After completing this Learning Path, students will be able to:

- Describe non-relational data offerings on Azure
- Explain provisioning and deploying non-relational databases on Azure
- Describe non-relational data stores on Azure

Learning Path 4: Explore modern data warehouse analytics in Azure

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 Azure. Students will explore the processing options available for building data analytics solutions in Azure. Students 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.

Modules

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

After completing this Learning Path, students will be able to:

- Describe processing options available for building data analytics solutions in Azure
- Describe Azure Synapse Analytics, Azure Databricks, and Azure HDInsight
- Explain what Microsoft Power BI is, including its building blocks and how they work together

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

What You Will Learn

- 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