



Training Course DP-900: Microsoft Power Platform Fundamentals

Overview: 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.

Duration: 1 Day.

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.

Certification: This course prepares you for the DP-900: Microsoft Azure Data Fundamentals.

Course Objectives: After completing this course, students will be able to:

- Describe core data concepts.
- Identify considerations for relational data on Azure.
- Describe considerations for working with non-relational data on Azure.
- Describe an analytics workload on Azure?

Course Outline:

- 1- Explore core data concepts.
 - Identify common data formats.
 - Describe options for storing data in files.
 - Describe options for storing data in databases.
 - Describe characteristics of transactional data processing solutions.
 - Describe characteristics of analytical data processing solutions.
- 2- Describe the benefits of using cloud services.
 - Identify common data professional roles.
 - Identify common cloud services used by data professionals.
- 3- Explore fundamental relational data concepts.
 - Identify characteristics of relational data.
 - Define normalization.
 - Identify types of SQL statement.
 - Identify common relational database objects.

- 4- Explore relational database services in Azure
 - Identify options for Azure SQL services.
 - Identify options for open-source databases in Azure.
 - Provision a database service on Azure.
- 5- Explore Azure Storage for non-relational data.
 - Describe features and capabilities of Azure blob storage.
 - Describe features and capabilities of Azure Data Lake Gen2.
 - Describe features and capabilities of Azure file storage.
 - Describe features and capabilities of Azure table storage.
 - Provision and use an Azure Storage account.

