



REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

DP-900T00: Microsoft® Azure® Data Fundamentals

Duration: 1 Day

Method: Instructor-Led Training (ILT) | Live Online Training

Certification: Microsoft Certified: Azure Data Fundamentals —
Exam: DP-900 Microsoft Azure Data Fundamentals

Course Description

In this course, participants 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. They 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.
- Explore the roles, tasks, and responsibilities in the world of data.
- Explore relational data offerings, provisioning and deploying relational databases, and querying relational data through cloud data solutions with Microsoft Azure.
- Explore non-relational data offerings, provisioning and deploying non-relational databases, and non-relational data stores with Microsoft Azure.
- Explore the processing options available for building data analytics solutions in Azure.
- Explore Azure Synapse Analytics, Azure Databricks, and Azure HDInsight.
- Learn what Power BI is, including its building blocks and how they work together.

Target Audience

This course is intended for:

- 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

To attend this course, candidates must have:

- 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.

Exam Details

Exam Code:	• DP-900
Length of Exam:	• 1 Hour
Number of Questions:	• 40-60
Passing Score:	• 70%
Question Format:	• Multiple Choice, Scenario-based, Arrange In Sequence, Drag & Drop, Mark Review, Etc.

Course Objectives

Upon successful completion of this course, attendees will be able to:

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

Course Topics

Module 1: Explore Core Data Concepts

- Explore Core Data Concepts
- Explore Roles and Responsibilities in the World of Data
- Describe Relational Data Concepts
- Explore Non-Relational Data Concepts
- Explore Data Analytics Concepts



Course Topics *Continued*

Module 2: Explore Relational Data in Azure

- Explore Relational Data Offerings in Azure
- Explore Provisioning and Deploying Relational Database Offerings in Azure
- Query Relational Data in Azure

Module 3: Non-Relational Data in Azure

- Explore Non-Relational Data Offerings in Azure
- Explore Provisioning and Deploying Non-Relational Data Services on Azure
- Manage Non-Relational Data Stores in Azure

Module 4: 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

LABS INCLUDED