

Introduction to Microsoft Azure Data

Courses Code: DP-900T00

Duration: 1 Day

Delivery Mode: Instructor-led Training (ILT) | Virtual Instructor led Training (VILT)

Overview

In this DP-900T00 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.

Skills Covered

- Describe core data concepts (such as relational, non-relational, big data, and analytics).
- Identify considerations for relational data on Azure (including relational database services and querying relational data).
- Describe considerations for working with non-relational data on Azure (including Azure Storage, Azure Cosmos DB).
- Describe an analytics workload on Azure (including large-scale analytics, data warehousing, real-time analytics).

Who Should Attend

The audience for DP-900T00 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

- There are no formal prerequisites for this course.
- It is suggested that students have a basic awareness of computing concepts and interest in using data in a cloud environment.

Course Modules

1. Ingest data with Microsoft Fabric

Explore how Microsoft Fabric enables you to ingest and orchestrate data from various sources (such as files, databases, or web services) through dataflows, notebooks, and pipelines.



2. Implement a Lakehouse with Microsoft Fabric

This learning path introduces the foundational components of implementing a data lakehouse with Microsoft Fabric.

3. Implement Real-Time Intelligence with Microsoft Fabric

Real-time intelligence in Microsoft Fabric enables analysis of streaming events in real or near-real time.

4. Implement a data warehouse with Microsoft Fabric

Explore the data warehousing process and learn how to load, monitor, secure, and query a warehouse in Microsoft Fabric.

5. Manage a Microsoft Fabric environment

Microsoft Fabric is a Software-as-a-Service platform for data analytics. Learn how to manage your environment through Continuous Integration/Continuous Deployment (CI/CD), monitoring, and security.

6. Use Activator in Microsoft Fabric

Fabric Activator is an event detection engine that automatically triggers actions when specific patterns or conditions are detected in data sources.

Ref: <https://trainocate.com/courses/microsoft/dp-900t00-microsoft-azure-data-fundamentals-training>

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