DP-900T00: Microsoft Azure Data Fundamentals

Course Duration: 8 Hours (1 Day)

Overview

The DP-900T00: Microsoft Azure Data Fundamentals course is designed to introduce learners to the Core data concepts and the Azure data services that can handle a broad range of data processing and analytics needs. It targets those interested in beginning to work with data in the cloud. Module 1 lays the foundation by exploring basic data concepts, the various data roles and responsibilities, and differentiates between relational and non-Relational data, alongside an overview of Data analytics. Module 2 delves into Azure's Relational data services, provisioning, deployment, and querying of Relational databases, which is pivotal for managing structured data. Module 3 shifts focus to non-Relational data offerings in Azure, demonstrating how to provision, deploy, and manage non-Relational data stores, catering to scalable and flexible Data storage needs. Finally, Module 4 offers insights into modern data warehouse analytics, covering Data ingestion, storage, processing in Azure, and visualization with Power BI. This course is beneficial for individuals seeking to understand data concepts and analytics, and those aiming to implement data solutions using Microsoft Azure services. It prepares learners for the DP-900 certification exam, which can enhance their professional credentials in the field of data and analytics.

Audience Profile

The DP-900T00: Microsoft Azure Data Fundamentals course is designed for individuals seeking foundational knowledge in data services within Azure.

Target audience for the DP-900T00 course includes:

- Beginners interested in learning about data concepts and Azure data services
- IT professionals looking to expand their knowledge on Azure's data solutions
- Data analysts who want to understand Azure data storage and processing
- Database administrators aiming to explore Azure's relational and non-relational databases
- Data scientists who require an understanding of Azure's data services for their analytics work
- Developers who need to integrate Azure data services into their applications
- Business intelligence professionals who plan to use Azure for data warehousing and analytics
- Students and educators seeking a fundamental understanding of cloud data services
- Technical managers looking for an overview of Azure's data offerings to make informed decisions
- Professionals preparing for the Microsoft Azure Data Fundamentals certification exam

Course Syllabus

Module 1: Explore core data concepts

- Explore core data concepts
- Explore roles and responsibilities in the world of data
- Describe concepts of relational data
- Explore concepts of non-relational data
- Explore concepts of data analytics

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: Explore non-relational data in Azure

- Explore non-relational data offerings in Azure
- Explore provisioning and deploying non-relational data services in Azure
- Manage non-relational data stores in Azure

Module 4: Explore modern data warehouse analytics

- 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