Microsoft Azure Data Fundamentals

Course ID : DP-900T00-A

Overview :

In this course, learners 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. Learners 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 learners 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. Learners will explore the processing options available for building data analytics solutions in Azure. They will explore Azure Synapse Analytics, Azure Databricks, and Azure HDInsight. Learners will learn what Power BI is, including its building blocks and how they work together.

Objectives :

- Describe core data concepts
- Describe how to work with relational data on Azure
- Describe how to work with non-relational data on Azure
- Describe an analytics workload on Azure

Audience(s) :

- Database Administrator
- Data Engineer
- Business Decision Makers
- IT Professionals

Level :

- Beginner

Course Duration :

- 1 day

Delivery Mode :

- Virtual & Classroom Training

Location:

- Tunisia / Bahrain

Lanuage:

- English/French

Exam :

- DP-900

Certification :

- N/A

Course Outline :

Module 1: Describe Core Data Concepts

- Describe Types of Core Data Workloads
- Describe Data Analytics Core Concepts

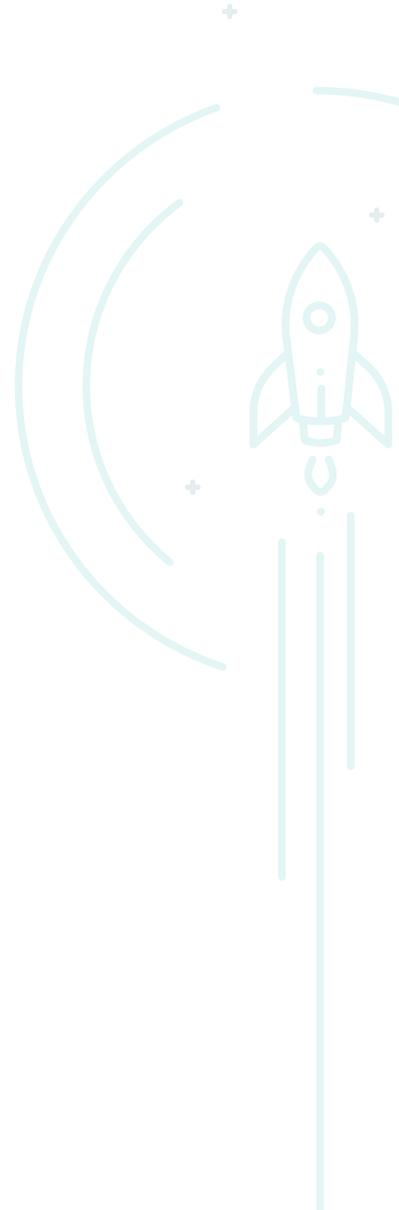### Module 2: Describe How to Work with Relational Data on Azure

- Describe Relational Data Workloads
- Describe Relational Azure Data Services
- Database for MySQL
- Identify Basic Management Tasks for Relational Data
- VNets, Access from Internet, Authentication, Firewalls
- Describe Query Techniques for Data using SQL Language

Module 3: Describe How to work with non-relational Data on Azure

- Describe Non-Relational Data Workloads
- Describe non-relational Data Offerings on Azure
- Identify Basic Management Tasks for Non-Relational Data

Module 4: Describe an Analytics Workload on Azure

- Describe Analytics Workloads
- Describe the components of a Modern Data Warehouse
- Describe Data Ingestion and Processing on Azure
- Describe Data Visualization in Microsoft Power BI

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