multisoft
Systems

DP-200 Implementing an Azure Data Solution Training

COURSE CONTENT

GET IN TOUCH

Multisoft Systems
B - 125, Sector - 2, Noida

(+91) 9810-306-956

info@multisoftsystems.com

www.multisoftsystems.com

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems.
A leading certification training provider, Multisoft collaborates with top technologies to
bring world-class one-on-one and certification trainings. With the goal to empower
professionals and business across the globe, we offer more than 1500 training courses,
which are delivered by Multisoft's global subject matter experts. We offer tailored
corporate training; project Based Training, comprehensive learning solution with lifetime
e-learning access, after training support and globally recognized training certificates.

About Course

DP-200: Implementing an Azure Data Solution training by Multisoft Systems is designed
for professionals aiming to become Microsoft Certified Azure Data Engineers. This course
provides a comprehensive understanding of designing and implementing data solutions
on Microsoft Azure, including data storage, processing, security, and monitoring.

Module 1: Implement Data Storage Solutions

1.1 Implement Non-Relational Data Stores

- ✓ Implement a solution that uses Cosmos DB, Data Lake Storage Gen2, or Blob storage
- ✓ Implement data distribution and partitions
- ✓ Implement a consistency model in Cosmos DB
- ✓ Provision a non-relational data store
- ✓ Provide access to data to meet security requirements
- ✓ Implement for high availability, disaster recovery, and global distribution

1.2 Implement Relational Data Stores

- ✓ Provide access to data to meet security requirements
- ✓ Implement for high availability and disaster recovery
- ✓ Implement data distribution and partitions for azure synapse analytics
- ✓ Implement poly base

1.3 Manage Data Security

- ✓ Implement data masking
- ✓ Encrypt data at rest and in motion

Module 2: Manage and Develop Data Processing

2.1 Develop Batch Processing Solutions

- ✓ Develop batch processing solutions by using Data Factory and Azure Databricks
- ✓ Ingest data by using Poly Base
- ✓ Implement the integration runtime for Data Factory
- ✓ Create linked services and datasets
- ✓ Create pipelines and activities
- ✓ Create and schedule triggers

✓ Implement Azure Databricks clusters, notebooks, jobs, and autoscaling

✓ Ingest data into Azure Databricks

2.2 Develop Streaming Solutions

✓ Configure input and output

✓ Select the appropriate built-in functions

✓ Implement event processing by using stream analytics

Module 3: Monitor and Optimize Data Solutions

3.1 Monitor Data Storage

✓ Monitor relational and non-relational data stores

✓ Implement blob storage monitoring

✓ Implement data lake storage gen2 monitoring

✓ Implement azure synapse analytics monitoring

✓ Implement cosmos DB monitoring

✓ Configure azure monitor alerts

✓ Implement auditing by using azure log analytics

3.2 Monitor Data Processing

✓ Monitor Data Factory pipelines

✓ Monitor Azure Databricks

✓ Monitor Stream Analytics

✓ Configure Azure Monitor alerts

✓ Implement auditing by using Azure Log Analytics

3.3 Optimize of Azure Data Solutions

✓ Troubleshoot data partitioning bottlenecks

✓ Optimize data lake storage gen2

✓ Optimize stream analytics

✓ Optimize azure synapse analytics & manage the data lifecycle