



## DP-200: “Implementing an Azure Data Solution” Training Curriculum

### STRUCTURE



## **DP-200: Implementing an Azure Data Solution Training Curriculum**

*“Become a Certified Azure Solution Architect by joining our comprehensive DP-200 Training Program”*

### **About Croma Campus:**

Croma Campus Training & Development Private Limited is an education platform since 2010 providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty and industry.

- Hands-On Live Projects
- Simulation Test Papers
- Industry Cases Studies
- 61,640+ Satisfied Learners
- 140+ Training Courses
- 100% Certification Passing Rate
- Live Instructor Classroom / Online Training
- 100% Placement Assistance

### **Course Objectives:**

- Prepare yourself for the certification exam and clear your certification exam in the first attempt
- Add an attractive credential in your resume that is really appreciated by Companies.
- Improve your overall cloud management skills and explore more job prospects with better salary packages.
- Boost your social media profiles especially LinkedIn by adding this certification and become one of the top persons to be chosen by industries.

### **DP-200 Certification Training Description:**

Candidates for this exam are Microsoft Azure data engineers who collaborate with business stakeholders to identify and meet the data requirements to implement data solutions that use Azure data services.

Azure data engineers are responsible for data-related implementation tasks that include provisioning data storage services, ingesting streaming and batch data, transforming data, implementing security requirements, implementing data retention policies, identifying performance bottlenecks, and accessing external data sources.

Candidates for this exam must be able to implement data solutions that use the following Azure services: Azure Cosmos DB, Azure Synapse Analytics (formerly Azure SQL DW), Azure Data Factory, Azure Stream Analytics, Azure Databricks, and Azure Blob storage.

### **Necessary Details about Certification You must Know**

- Certification Name – DP-200: Implementing an Azure Data Solution
- Exam Duration: 180 minutes
- Number of Questions: 40-60
- Passing score: 700 (Out of 1000)
- Exam Cost: USD 165.00
- Validity: 2 years

## Certification Exam Structure:

- Implement data storage solutions (40-45%)
- Manage and develop data processing (25-30%)
- Monitor and optimize data solutions (30-35%)

## Croma Campus Training Program Deliverables:

- **Session Recordings** - Original Class Room Voice & Video Recording
- **Training Material** - Soft Copy Handbooks
- **Assignments** | 25+ Hands-on Exercises
- **Test Papers** - We provide **Practice Test** as part of our course to help you prepare for the actual certification exam.
- **Live Case Studies**
- **Live Projects** - Hands-on exercises and Project work. You will work on real time industry-oriented projects and assignments for each module to practice.
- **Key focus on Hands-on exercises and Project work.** You will work on real time industry-oriented projects.
- Faculty with more than **10+ Years of Experience** in the Industry.
- **Technical Resume Designing & Job Assistance:** With more than 100+ Clients across the Globe and we help learners to get a good job in their respective field. We also help learners with resume preparation.
- **Interview Q&A**
- **About Croma Campus Training Certificate:** Croma Campus will provide you with an industry-recognized (Certified by **ISO 9001:2015 & E-Cell IIT Jodhpur**) course completion certificate which has lifelong validity.
- **How I Unlock my Croma Campus Certificate:** Attend Complete Batch & Submit at least One Completed Project.

## Course Content:

### Module 1: Implement Data Storage Solutions (40-45%)

#### 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

#### 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

#### Manage data security

- Implement data masking

- Encrypt data at rest and in motion

## **Module 2: Manage and Develop Data Processing (25-30%)**

### **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

### **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 (30-35%)**

### **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

### **Monitor data processing**

- Monitor Data Factory pipelines
- Monitor Azure Databricks
- Monitor Stream Analytics
- Configure Azure Monitor alerts
- Implement auditing by using Azure Log Analytics

### **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

## **Module 4: Placement Guide**

- Tips to clear an Interview
- Common Interview questions and answers

- DP-200 Interview Questions and Answers
- Resume Building Guide
- Attempt for DP-200 Global Certification Exam
- Earn Credentials and Start applying for Jobs