

# **Designing a DevOps Strategy (AZ-400T07)**

**Modality:** Virtual Classroom

**Duration:** 1 Day

**SATV Value:** 1

## **About this Course:**

The Designing on Azure Data Solution (DP-201.1) Course is designed for IT Professionals and Azure Developers who want to learn the art of implementing data platform strategies. It focuses on implementing various technologies without breaching business and technical compliance requirements of hybrid data scenarios, on-premises, and cloud solutions. This course also covers the fundamentals of data processing for batch data and streaming data solutions essentials.

Through this course, professionals will explore and learn the essentials of data security implementation with the major focus on Azure Authorization, Authentication, and Data Standards & Policies. The teachings of this course also shed light on monitoring data processing and data storage activities by configuration and effective implementation of Data Solution Monitoring. Furthermore, Microsoft Azure Data Solutions Management and Troubleshooting are also discussed in detail in this course and Big Data Optimization and Disaster Recovery Techniques are also reviewed.

## **Course Objectives:**

The core objective of this course is to help professionals gain a better understanding and sound knowledge of the following key principles:

- Exploring Data Security Techniques and Implementation
- Microsoft Azure Authorization, Authentication, Standards, and Data Policies
- Configuring and Implementing Data Solution Monitoring
- Monitoring Data Processing Tasks and Data Storage Activities
- Troubleshooting and Managing Microsoft Azure Data Solutions
- Big Data Optimization and Disaster Recovery
- Streaming Data Solutions and Batch Processing

## **Audience:**

This course is specifically tailored for the following group of professionals and interested candidates:

- Professional Azure Developers
- IT Professionals and Experts

## **Prerequisites:**

Professionals planning to enroll in Designing an Azure Data Solution (DP-201.1) course must have technical know-how equivalent to the Azure Fundamentals course.

## Course Outline:

### Module 1: Planning for DevOps

In this module, students will learn about transformation planning, project selection, and team structures.

#### Lessons

- Transformation Planning
- Project Selection
- Team Structures

#### Lab : Agile Planning and Portfolio Management with Azure Boards

After completing this module students will be able to:

- Plan for the transformation with shared goals and timelines
- Select a project and identify project metrics and KPIs
- Create a team and agile organizational structure

### Module 2: Planning for Quality and Security

In this module, students will learn about developing a quality strategy and planning for secure development.

#### Lessons

- Planning a Quality Strategy
- Planning Secure Development

#### Lab : Feature Flag Management with LaunchDarkly and AzureDevOps

After completing the module, students will be able to:

- Develop a project quality strategy
- Plan for secure development practices and compliance rules.

### Module 3: Migrating and Consolidating Artifacts and Tools

In this module, students will learn about migrating and consolidating artifacts, and migrating and integrating source control measures.

## Lessons

- Migrating and Consolidating Artifacts
- Migrating and Integrating Source Control

## Lab : Integrating Azure Repos and Azure Pipelines with Eclipse

After completing this module, students will be able to:

- Migrate and consolidate artifacts
- Migrate and integrate source control measures