

## **Designing an Azure Data Solution (DP-201.1)**

**Modality: Self-Paced Learning**

**Duration: 16 Hours**

**SATV Value:**

**CLC:**

**NATU:**

**SUBSCRIPTION: Learn, Master**

### **About this Course:**

In this course, the students will implement various data platform technologies into solutions that are in line with business and technical requirements including on-premises, cloud, and hybrid data scenarios incorporating both relational and No-SQL data. They will also learn how to process data using a range of technologies and languages for both streaming and batch data

The students will also explore how to implement data security including authentication, authorization, data policies and standards. They will also define and implement data solution monitoring for both the data storage and data processing activities. Finally, they will manage and troubleshoot Azure data solutions which includes the optimization and disaster recovery of big data, batch processing and streaming data solutions

### **Course Objectives:**

- Students will explore how to implement data security including authentication, authorization, data policies and standards
- define and implement data solution monitoring for both the data storage and data processing activities
- manage and troubleshoot Azure data solutions which includes the optimization and disaster recovery of big data, batch processing and streaming data solutions

### **Audiences:**

- Azure Developers
- IT professionals

### **Prerequisites**

In addition to their professional experience, students who take this training should have technical knowledge equivalent to the following courses:

- [Azure fundamentals](#)

## **Course Outline:**

### **Welcome to the Course**

#### **?Azure Architecture Considerations**

- Module Introduction
- Azure Architecture Considerations
- Module-Summary

#### **Azure Batch Processing Reference Architectures**

- Module Introduction
- Azure Batch Processing Reference Architectures
- Module Summary

#### **Azure Real Time Processing Reference Architectures**

- Module Introduction
- Azure Real Time Processing Reference Architectures
- Module Summary

#### **Security Design Considerations**

- Module Introduction
- Security Design Considerations
- Module Summary

#### **Designing for Scale and Resiliency**

- Module Introduction
- Designing for Scale and Resiliency
- Module Summary

#### **Designing for Efficiency and Operations**

- Module Introduction
- Designing for Efficiency and Operations
- Module Summary

#### **Course Completion**

- Summary
- Post-Course Survey