

## **Microsoft Cloud Workshop: Serverless Architecture (MS-40535)**

**Modality:** Virtual Classroom

**Duration:** 1 Day

**SATV Value:** 1

**CLC:**

**NATU:**

**SUBSCRIPTION:** Master

### **About this course:**

Introduce an infrastructure for an online vendor of concert tickets to manage traffic fluctuations placed on top of the Service Fabric and apply smooth upgrades or roll back failed upgrades.

The average income for an MS Azure professional Solutions Developer is \$104,300 per annum.

### **Course Objective:**

Through Service Fabric, participants will be more able to implement resilience and scale. Participants will understand how to:

- Immediately shut down a faulty updates
- Secure the application by using Azure AD B2C
- Azure Functions allow serverless solutions
- Offer query flexibility with Cosmos Database
- Conduct load assessments on a Service Fabric cluster with partitions

### **Audience:**

This online training program is designed for IT professionals and Cloud Architects who have solutions design and infrastructure architecture experience in cloud technology and want to know more about Azure and its services as defined in the ' At Course Completion ' and ' About this Course ' areas.

Anyone taking this training should also be trained in other cloud technologies other than MS, fulfill the preconditions of the program, and want to cross-train on Azure.

### **Prerequisite:**

- Training content presumes 300-level architectural experience in developing solutions design and infrastructure.

## **Suggested Prerequisite:**

- Azure-Fundamentals

## **Course Outline:**

### **Module 1: Whiteboard Design Session - Serverless Architecture Lessons**

- Review the customer case study
- Design a proof of concept solution
- Present the solution

### **Module 2: Hands-On lab - Serverless Architecture Lessons**

- Azure data, storage, and serverless environment setup
- Develop and publish the photo processing and data export functions
- Create functions in the portal
- Monitor your functions with Application Insights
- Explore your data in Azure Cosmos DB
- Create the data export workflow
- Configure continuous deployment for your Function App
- Rerun the workflow and verify data export