

Microsoft Cloud Workshop: OSS PaaS and DevOps (MS-40533)

Modality: Virtual Classroom

Duration: 1 Day

SATV Value: 1

About this course:

This program is intended to support the attendants by introducing an end-to-end mobile baggage tracking system for an airline industry customer. Participants will develop an IoT system that simulates data generated from Radio-frequency identification tags attached to the checked luggage of airline passengers, and mobile apps that enable customers and staff to monitor those bags from any device.

Course Objective:

At the end of the session the participants should understand better how to:

- Recognize the steps needed to migrate old systems to the Azure framework
- Configuration of VSTS Continuous Integration (CI) and Continuous Delivery (CD) pipelines
- Link on-premises apps to Azure via the PowerApps Data Gateway
- Establish an IoT Center and register radio frequency identification reader devices
- Send and receive data from Cosmos Database using Azure Functions

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.

Course Outline:

Module 1: Whiteboard Design Session - OSS PaaS and DevOpsLessons

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

Module 2: Hands-On Lab - OSS PaaS and DevOpsLessons

- Run starter application
- Migrate the database to Cosmos DB
- Containerize the app
- Set up Web App for Containers
- Configure CI/CD pipeline
- Create Azure Function for order processing
- Create Logic App for sending SMS notifications