

# **Developing For The Cloud (AZ-300.6)**

**Modality: On Demand**

**Duration: 24 Hours**

This course makes you ready for the Exam of AZ-300.6 leading to the Certification of AZ-300.6. No Exam Voucher includes in this course, but you have the option to request the purchase of a Voucher for the Official Exam separately.

## **About this course:**

Figure out how to configure a message-based architecture of integration, make applications for autoscaling, develop for the processing of asynchronous, and better comprehend the solutions of Azure Cognitive Services.

## **Course Objective:**

- The best method to configure a message-based architecture of integration.
- Begin creating applications for Autoscaling
- Implement resilient apps by using queues
- See how to Develop for Asynchronous Processing
- Comprehend Azure Cognitive Services Solutions
- Configure a service or app send emails
- Design an event publish and model subscription
- Configure the Relay service for Azure
- Make and configure a notification hub
- Build and configure an event hub
- Make and configure a service bus
- Configuring services and apps with MS Graph

## **Audience:**

Effective Cloud Solutions Architects start this job with functional involvement in cloud infrastructure, virtualization, operating frameworks, billing, storage structures, and networking.

## **Prerequisite:**

Functional involvement in virtualization, operating frameworks, billing, storage structures, cloud infrastructure, and networking.

## **Course Outline:**

### **Module 1 - Developing Long-Running Tasks and Distributed Transactions**

- Implement large-scale, parallel, and high-performance apps by using batches

- Implement resilient apps by using queues
- Implement code address application events by using webhooks
- Review Questions
- Module 1 Assessment

## **Module 2 - Configuring a Message-Based Integration Architecture**

- Configure an app or service send emails
- Configure an event publish and subscribe model
- Configure the Azure Relay service
- Create and configure a notification hub
- Create and configure an event hub
- Create and configure a service bus
- Configuring apps and services with Microsoft Graph
- Review Questions
- Module 2 Assessment

## **Module 3 - Developing for Asynchronous Processing**

- Implement parallelism, multithreading, and processing
- Implement Azure Functions and Azure Logic Apps
- Implement interfaces for storage or data access
- Implement appropriate asynchronous computing models
- Online Lab:
- Review Questions
- Module 3 Assessment

## **Module 4 - Developing for Autoscaling**

- Implement autoscaling rules and patterns
- Implement code that addresses singleton application instances
- Implement code that addresses a transient state
- Review Questions
- Module 4 Assessment

## **Module 5 - Developing Azure Cognitive Services Solutions**

- Cognitive Services Overview
- Develop Solutions using Computer Vision
- Develop Solutions using Bing Web Search
- Develop Solutions using Custom Speech Service
- Develop Solutions using QnA Maker
- Working with the Azure IoT Hub
- Review Questions
- Module 5 Assessment