

## **Develop Azure Cognitive Services, Bot, And Iot Solutions (AZ-201.3)**

**Modality: Self-Paced Learning**

**Duration: 48 Hours**

**SATV Value:**

**CLC:**

**NATU:**

**SUBSCRIPTION: Learn, Master**

***This course helps you in preparing for the AZ-201 Exam and getting AZ-201 Certification. Official Exam Voucher is not included in this course, although, you can ask to buy the Official Exam Voucher separately.***

### **About this course:**

At DevopsU, we will prepare you for AZ-201 certification exam. Since, this course is among the four courses of the series to assist you in preparing for Microsoft's AZ-201 (Azure Developer certification): Develop Advanced MS Azure Cloud Solutions. This course is specifically planned for developers with the aptitudes and skills to code in any MS Azure supported language.

In this course, you will learn the process of integrating MS Azure Cognitive Services, such as QnA Maker, Computer Vision, as well as NLP (natural language processing) in the solution. Also, understand the creation and management of bots through the MS Azure portal and Bot Framework. Furthermore, also learn how to leverage MS Azure Time Series Insights, IoT Hub, and Stream Analytics for the IoT solution.

### **Course Objective:**

On completing this course, you will know how to:

- Build solutions via Computer Vision.
- Utilize NLP (natural language processing) and speech services in the application.
- Develop and oversee dictionaries to generate FAQ with the help of QnA maker.
- Use Bing Search in the app.
- Configure and log in bot via Bot Framework, and oversee a bot via MS Azure Portal.
- Build the insights for the IoT solution via MS Azure Time Series Insights.
- Develop the Stream Analytics Service to input and output for the IoT device.
- Sign up for the device via IoT Hub Device Provisioning Service.

### **Targeted Audience:**

- The focused audience of this course is programmers who are apt in coding in any MS Azure programming language.

## Prerequisite:

- Basic knowledge of any of the Azure supported dialect.

## Recommended Prerequisite Course:

None

## Course Outline:

### Develop Azure Cognitive Services solutions

- Cognitive Services overview
- Develop solutions using Computer Vision
- Develop solutions using Bing Web Search
- Develop solutions using Cusm Speech Service
- Develop solutions using QnA Maker
- Review Questions

### Create and integrate bots

- Azure Bot Service overview
- Create a bot using the Bot Builder SDK for .NET
- Using Language Understanding in your bot
- Register a bot with Bot Service
- Managing a bot using the Azure Portal
- Review questions

### Create and implement IoT solutions

- Working with the Azure IoT Hub
- Working with Azure Time Series Insights
- Working with Azure Stream Analytics
- Review Questions

## Course Completion

- Final Exam