

# Designing and Implementing an Azure AI Solution (AI-100)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Lisboa
- **Data:** 13 Jan. 2020 a 15 Jan. 2020
- **Preço:** 1120€
- **Promoção:** -20%
- **Horário:** Laboral - das 09h30 às 17h30
- **Duração:** 21 horas

**Gain the necessary knowledge for designing Azure AI solution by building a customer support chat Bot using artificial intelligence from the Microsoft Azure platform including language understanding and pre-built AI functionality in the Azure Cognitive Services.**

## Destinatários

This course is aimed at:

- Cloud Solution Architects,
- Azure artificial intelligence designers,
- AI developers.

## Pré-requisitos

Before attending this course, students must have:

- Azure Fundamentals
- Understanding of Azure storage technologies
- C# Knowledge

## Programa

**Introducing Azure Cognitive Services**

The student will learn about the available Cognitive Services on Microsoft Azure and their role in architecting AI solutions.

Lessons

- Overview of Azure Cognitive Services
- Creating a Cognitive Service on the Azure Portal
- Access and Test a Cognitive Service

### **Creating Bots**

The student will learn about the Microsoft Bot Framework and Bot Services.

Lessons

- Introducing the Bot Service
- Creating a Basic Chat Bot
- Testing with the Bot Emulator

### **Enhancing Bots with QnA Maker**

The student will learn about the QnA Maker and how to integrate Bots and QnA Maker to build up a useful knowledge base for user interactions.

Lessons

- Introducing QnA Maker
- Implement a Knowledge Base with QnA Maker
- Integrate QnA with a Bot

### **Learn How to Create Language Understanding Functionality with LUIS**

The student will learn about LUIS and how to create intents and utterances to support a natural language processing solution.

Lessons

- Introducing Language Understanding
- Create a new LUIS Service
- Build Language Understanding with Intents and Utterances

### **Enhancing Your Bots with LUIS**

The student will learn about integrating LUIS with a Bot to better understand the users' intentions when interacting with the Bot.

Lessons

- Overview of language understanding for AI applications
- Integrate LUIS and Bot to create an AI-based solution

## **Integrate Cognitive Services with Bots and Agents**

The student will learn about integrating Bots and Agents with Azure Cognitive Services for advanced features such as sentiment analysis, image and text analysis, and OCR and object detection.

### Lessons

- Understand Cognitive Services for Bot Interactions
- Perform Sentiment Analysis for your Bot with Text Analytics
- Detect Language in a Bot with the Language Cognitive Services
- Integrate Computer Vision with Bots