

## AI-100T01 Designing and Implementing an Azure AI Solution

### Overview

This course teaches the concepts of Azure AI engineering by presenting, and developing, a scenario that creates a customer support Bot that utilizes various tools and services in the Azure AI landscape like language understanding, QnA Maker, and various Azure Cognitive Services to implement language detection, text analytics, and computer vision.

### Prerequisite Comments

Before attending this course, students must have:  
Azure Fundamentals and  
C# Knowledge

### Target Audience

This course is aimed at Cloud Solution Architects, Azure artificial intelligence designers, and AI developers.

### Course Objectives

Build a customer support chat Bot that use artificial intelligence from the Microsoft Azure platform including language understanding and pre-built AI functionality in the Azure Cognitive Services.

### Course Outline

#### 1 - Introducing Azure Cognitive Services

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

[Register Online](#)

Schedule

Class Length: 3 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"  
ILT = "Instructor-Led-Training"

*This course is not currently available on the public schedule. Please contact us using the information in the footer below to inquire about future dates or to schedule a private class.*

## 2 - Creating Bots

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

## 3 - Enhancing Bots with QnA Maker

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

## 4 - Learn How to Create Language Understanding Functionality with LUIS

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

## 5 - Enhancing Your Bots with LUIS

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

## 6 - Integrate Cognitive Services with Bots and Agents

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

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