

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

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
