Microsoft

Developing Applications using Cognitive Services

WorkshopPLUS

Browse and build many APIs available under the Microsoft Cognitive Services umbrella

A three day Development Focused Service (DFS) workshop that provides an overview of Cognitive Services APIs and a demonstration of how Cognitive Services enables you to build apps which incorporate advanced functionality

Target Audience

- Developers/Architects

Prerequisites

- Experience with .NET and web Development
- Familiar with Microsoft Azure

Benefits

- Know how to Integrate your solution with many great cognitive APIs
- Drive readiness for your developers through education services
- Provide best practices for designing and implementing Cognitive Services

Overview

Wondering what is Cognitive Services? How do you get started with many APIs provided by Cognitive Services?

Developing Applications using Cognitive Services is a three day workshop that introduces you to Microsoft Cognitive Services. Microsoft Cognitive Services are collection of artificial intelligence (AI) APIs, SDKs, and services. You will learn how to enable natural and contextual interaction within your apps using Cognitive Services.

This DFS type workshop is available to assist your staff learn how to develop, deploy, and support application built with Microsoft technologies. Cognitive Services DFS helps with the most common scenarios:

Education Services

- To help quickly ramp up on different Cognitive Services APIs such as Emotion, Face recognition and Language Understanding Intelligent Service to help drive cloud design & development readiness.

Demo Scenario

- Will enforce practical experience with guided scenarios and a complete end-to-end solution

Closeout PoC session

- Direct engagement with a Microsoft consultant who will wrap-up the experience: planning and validation of a proof of concept of Microsoft Cognitive Services

Education: Quickly leverage Cognitive Services in your solutions

 1: Education &  2: Demo scenario =  Outcome: Closeout POC

Step 1: Education –Workshop: Developing Apps with Cognitive Services

This service aims at introducing the customer to leverage Microsoft Cognitive Services in order to improve and innovate modern development on any platform.

Each module is designed to provide participants with solid knowledge, which includes: an overview of the services, the goals and objectives behind it and how it can help to improve your web and mobile development solution.

Syllabus

Scope of the delivery will be defined in the scoping call with the customer (usually 3 modules per day during 3 days)

Modules

1. Introduction to Cognitive Services – Overview
2. Module 1: Emotion API
3. Module 2: Face API
4. Module 3: Language Understanding Intelligent Service
5. Module 4: Recommendations API
6. Module 5: QnA Maker API
7. Module 6: Translator Text API
8. Module 7: Entity Linking API
9. Module 8: Entity Linking API
10. Module 9: Bing WebSearch API
11. Module 10: Bing Speech API
12. Module 11: Custom Speech Services
13. Module 12: Bing Autosuggest API
14. Module 13: Bing Spell Check API
15. Module 14: Text Analytics API
16. Module 15: Web Language Model API
17. Final – Closeout POC

Step 2: Closeout POC

The Closeout POC helps you expand your experience and understanding how different cognitive services APIs collaborate with one another and/or with other technologies. During this exercise you will create a end-to-end application following the Demo Scenario implementation guide. A Microsoft engineer will be by your side, to walk you through a tutored exercise.

A Microsoft engineer will be by your side, to walk you through a tutored exercise. In order to greatly enhance this demo solution, you will gradually integrate Azure service features to an existing Windows Universal Application.

End results

Complete guided scenarios + Closeout Session :

- Dive into Microsoft Cognitive Services and understand how your apps interact with a collection of REST APIs.
- Get the opportunity to build an end-to-end scenarios for each API.
- Build and Run closeout proof of concept with one or more APIs interact together with other technologies via the power of machine learning which incorporate advanced functionality.